# SUBJECT INDEX VOLUME 70


Abdominal trauma
  blunt
    aberrant obturator artery and hemorrhage in, 366
    gallbladder injury, 1005
    need for renal angioembolization, CT, 1219
  blunt solid organ, low-molecular-weight heparin use, 141
  compartment syndrome (*see* Compartment syndrome)
  delayed abdominal wall reconstruction, quality of life after, 285
  hollow viscus injury, closed suction drain after, 1424
  laparoscopy use, pediatric, letter, 265
  open
    colon anastomosis after damage control laparotomy, 595
    enteric injury management, 273
    pancreatitis and, letter, 523
  ruptured aortic aneurysm, E37
  severe, CT imaging, 278
  stab wounds, nonoperative management, 408
  temporary closure, long-term outcomes, 769
Acalculous cholecystitis, acute, CT imaging in trauma patients, 183
*N*-Acetylcysteine, preconditioning and, ischemia-reperfusion in arthroscopic knee surgery, 717
Acute care surgery
  global surgical package reimbursement, 583
  laparotomy, elderly patients, 616
  rotation, contribution to residency rating, 590
  triage to a regional center, 116
Acute phase response, injury severity effects, 948
Adenocarcinoma, gallbladder, image of trauma, 261
Adherens junction complex, endothelial, β-catenin regulation, 481
Adolescents, postinjury depression, after major trauma, 923
Aging
  distal radial changes, histomorphometric analysis of fracture, 154
  mortality after burns, gender differences, 959
Air bags, front seat occupants, upper extremity injuries in MVCs, 838
Air transport, interfacility transfer, trauma patients, 310
Airway, continuous humidity, endotracheal tube or tracheostomy patients, 496
Albumin, use in fluid resuscitation, prehospital combat care, S22
Alcoholism, traumatic subarachnoid hemorrhage and, E6
Alcohol use
  brief interventions, level 1 trauma center, 931
  trauma, Russian Federation, 991
  trauma healthcare provider's knowledge, 1437
American Association for the Surgery of Trauma (AAST)
  blunt splenic trauma, member practices, 1026
  Presidential address, 1
  Prevention Committee, topical updates, 996
  renal injury grading system, 35
Amputation, fingertip, composite grafting for, 148
Anastomosis, colon, after damage control laparotomy, 595
Anemia, beta blockade effects, postinjury bone marrow suppression, 1043
Angioembolization
  nonvariceal upper GI bleeding, clinical failure, 1208
  renal, after trauma, CT scan criteria for prediction, 1219
  splenic artery, proximal *versus* distal, outcomes, 252
Angiogenesis
  after TBI, VEGF and Ang-1 changes, 1480
  spinal cord injury, body cooling effects, 885
Angiography. *see also* Computed tomographic angiography (CTA)
  aberrant obturator artery and hemorrhage, pelvic fracture patients, 366
  percutaneous techniques, and operative repair (R.A.P.T.O.R.), for trauma, letter, 1579
Angiopoietin-1, changes, angiogenesis after TBI, 1480
Antibiotics, use in open fractures, guidelines for prophylaxis, 751
Anticoagulants, intracranial hemorrhage and, in minor head trauma patients, 764(letter), E1
Anticoagulation, clopidogrel, point-of-care assay, 65
Antifungals, trauma-induced mucormycosis, survival, 507
Antiplatelet medication, intracranial hemorrhage and, in minor head trauma patients, 764(letter), E1
Anxiety, inpatient psychotherapeutic treatment, *versus* outpatient psychotherapy, trauma patients, 433
Aortic aneurysms, abdominal
  beaded mycotic, E100
  ruptured, E37
Aortic dissection, type A, image of trauma, 521
Aortic rupture
  abdominal aortic aneurysm, E37
  trans-spinal gunshot wound, image of trauma, 522
Apoptosis
  controlled cortical impact injury, ubiquitin effects, 1104
  endothelial progenitor cells, after skin burns and escharectomy, 459
  spinal cord injury, body cooling effects, 885
L-Arginine, motor function recovery and, acute spinal cord injury, 1198
Arm replantation, femoral-radial shunting, temporary, 1002
Arthritis, septic, PAID technique in children, 377
Arthrolysis, lateral and medial approach, treatment of stiff elbow, 373
Arthroscopic surgery, knee, preconditioning and NAC effects, 717
Aspiration, risk, water swallow challenge, SDU, 1203
Asystole, resuscitative thoracotomy, in the ED, defining the limits, 334
Autopsy, blunt thoracic trauma, 197
Bacteria, toll-like receptor and, bacterial ligand stimulation, 691
Balloon catheter tamponade, hemorrhage, emergency control, 330
Barotrauma, radiologic signs, E55
Base deficit, diagnosis of shock, trauma patients, letter, 1580
Beaded mycotic aneurysm, abdominal aorta, E100
Benign paroxysmal positional vertigo. see Vertigo
Beta blockade, postinjury, bone marrow suppression, 1043
Biomarkers, serum and CSF, traumatic brain injury, 1096
Biomechanics
  increased bone formation, fracture healing and, mice, 857
  locked compression intramedullar nails, use in distal femoral fractures, 832
  locking plate fixation, subtrochanteric fracture model, E19
  periprosthetic femoral fractures, E62
  screw placement, in plate fixation, techniques, E84
  tibia fracture, angle-stable locking of IM nails, 358
  traumatic subarachnoid hemorrhage, alcoholism and, E6
Bladder, extraperitoneal rupture, imaging, 1575
Blast exposure/injury
  head response to, E29
  limb salvage, combat *versus* civilian tibia fractures, 1241
  terrorist bombing, PTSD in victims, 1546
Blood pressure, prehospital shock index, risk for massive transfusion in normotensive patient, 384
Blood transfusion. *see* Transfusion
Blood volume analysis, anemia, critically ill patients, 646
Body cooling, spinal cord injury, outcome improvement, 885
Body mass index, risk of organ failure and, after trauma, 292
Bone cyst, presented as zygomatic mass, in facial trauma, E74
Bone defect
  diaphyseal, intramedullary reaming and, 1248
  lateral arm flap, in forearm reconstruction, 1286
Bone formation, increased, fracture healing and, mice, 857
Bone graft
  laminectomy chip, spinal fusion, LIPU enhanced healing, 863
  mesenchymal stem cells in, spinal fusion, 1495
  nonvascular, femoral neck nonunion, 169
Bone healing, low-dose nicotine effects, E117
Bone marrow, suppression, postinjury, beta blockade effects, 1043
Bone microarchitecture, histomorphometric analysis, distal radial fracture, 154

# SUBJECT INDEX VOLUME 70


Abdominal trauma
  blunt
    aberrant obturator artery and hemorrhage in, 366
    gallbladder injury, 1005
    need for renal angioembolization, CT, 1219
  blunt solid organ, low-molecular-weight heparin use, 141
  compartment syndrome (*see* Compartment syndrome)
  delayed abdominal wall reconstruction, quality of life after, 285
  hollow viscus injury, closed suction drain after, 1424
  laparoscopy use, pediatric, letter, 265
  open
    colon anastomosis after damage control laparotomy, 595
    enteric injury management, 273
    pancreatitis and, letter, 523
  ruptured aortic aneurysm, E37
  severe, CT imaging, 278
  stab wounds, nonoperative management, 408
  temporary closure, long-term outcomes, 769
Acalculous cholecystitis, acute, CT imaging in trauma patients, 183
*N*-Acetylcysteine, preconditioning and, ischemia-reperfusion in arthroscopic knee surgery, 717
Acute care surgery
  global surgical package reimbursement, 583
  laparotomy, elderly patients, 616
  rotation, contribution to residency rating, 590
  triage to a regional center, 116
Acute phase response, injury severity effects, 948
Adenocarcinoma, gallbladder, image of trauma, 261
Adherens junction complex, endothelial, β-catenin regulation, 481
Adolescents, postinjury depression, after major trauma, 923
Aging
  distal radial changes, histomorphometric analysis of fracture, 154
  mortality after burns, gender differences, 959
Air bags, front seat occupants, upper extremity injuries in MVCs, 838
Air transport, interfacility transfer, trauma patients, 310
Airway, continuous humidity, endotracheal tube or tracheostomy patients, 496
Albumin, use in fluid resuscitation, prehospital combat care, S22
Alcoholism, traumatic subarachnoid hemorrhage and, E6
Alcohol use
  brief interventions, level 1 trauma center, 931
  trauma, Russian Federation, 991
  trauma healthcare provider's knowledge, 1437
American Association for the Surgery of Trauma (AAST)
  blunt splenic trauma, member practices, 1026
  Presidential address, 1
  Prevention Committee, topical updates, 996
  renal injury grading system, 35
Amputation, fingertip, composite grafting for, 148
Anastomosis, colon, after damage control laparotomy, 595
Anemia, beta blockade effects, postinjury bone marrow suppression, 1043
Angioembolization
  nonvariceal upper GI bleeding, clinical failure, 1208
  renal, after trauma, CT scan criteria for prediction, 1219
  splenic artery, proximal *versus* distal, outcomes, 252
Angiogenesis
  after TBI, VEGF and Ang-1 changes, 1480
  spinal cord injury, body cooling effects, 885
Angiography. *see also* Computed tomographic angiography (CTA)
  aberrant obturator artery and hemorrhage, pelvic fracture patients, 366
  percutaneous techniques, and operative repair (R.A.P.T.O.R.), for trauma, letter, 1579
Angiopoietin-1, changes, angiogenesis after TBI, 1480
Antibiotics, use in open fractures, guidelines for prophylaxis, 751
Anticoagulants, intracranial hemorrhage and, in minor head trauma patients, 764(letter), E1
Anticoagulation, clopidogrel, point-of-care assay, 65
Antifungals, trauma-induced mucormycosis, survival, 507
Antiplatelet medication, intracranial hemorrhage and, in minor head trauma patients, 764(letter), E1
Anxiety, inpatient psychotherapeutic treatment, *versus* outpatient psychotherapy, trauma patients, 433
Aortic aneurysms, abdominal
  beaded mycotic, E100
  ruptured, E37
Aortic dissection, type A, image of trauma, 521
Aortic rupture
  abdominal aortic aneurysm, E37
  trans-spinal gunshot wound, image of trauma, 522
Apoptosis
  controlled cortical impact injury, ubiquitin effects, 1104
  endothelial progenitor cells, after skin burns and escharectomy, 459
  spinal cord injury, body cooling effects, 885
L-Arginine, motor function recovery and, acute spinal cord injury, 1198
Arm replantation, femoral-radial shunting, temporary, 1002
Arthritis, septic, PAID technique in children, 377
Arthrolysis, lateral and medial approach, treatment of stiff elbow, 373
Arthroscopic surgery, knee, preconditioning and NAC effects, 717
Aspiration, risk, water swallow challenge, SDU, 1203
Asystole, resuscitative thoracotomy, in the ED, defining the limits, 334
Autopsy, blunt thoracic trauma, 197
Bacteria, toll-like receptor and, bacterial ligand stimulation, 691
Balloon catheter tamponade, hemorrhage, emergency control, 330
Barotrauma, radiologic signs, E55
Base deficit, diagnosis of shock, trauma patients, letter, 1580
Beaded mycotic aneurysm, abdominal aorta, E100
Benign paroxysmal positional vertigo. see Vertigo
Beta blockade, postinjury, bone marrow suppression, 1043
Biomarkers, serum and CSF, traumatic brain injury, 1096
Biomechanics
  increased bone formation, fracture healing and, mice, 857
  locked compression intramedullar nails, use in distal femoral fractures, 832
  locking plate fixation, subtrochanteric fracture model, E19
  periprosthetic femoral fractures, E62
  screw placement, in plate fixation, techniques, E84
  tibia fracture, angle-stable locking of IM nails, 358
  traumatic subarachnoid hemorrhage, alcoholism and, E6
Bladder, extraperitoneal rupture, imaging, 1575
Blast exposure/injury
  head response to, E29
  limb salvage, combat *versus* civilian tibia fractures, 1241
  terrorist bombing, PTSD in victims, 1546
Blood pressure, prehospital shock index, risk for massive transfusion in normotensive patient, 384
Blood transfusion. *see* Transfusion
Blood volume analysis, anemia, critically ill patients, 646
Body cooling, spinal cord injury, outcome improvement, 885
Body mass index, risk of organ failure and, after trauma, 292
Bone cyst, presented as zygomatic mass, in facial trauma, E74
Bone defect
  diaphyseal, intramedullary reaming and, 1248
  lateral arm flap, in forearm reconstruction, 1286
Bone formation, increased, fracture healing and, mice, 857
Bone graft
  laminectomy chip, spinal fusion, LIPU enhanced healing, 863
  mesenchymal stem cells in, spinal fusion, 1495
  nonvascular, femoral neck nonunion, 169
Bone healing, low-dose nicotine effects, E117
Bone marrow, suppression, postinjury, beta blockade effects, 1043
Bone microarchitecture, histomorphometric analysis, distal radial fracture, 154

Book Reviews
Diagnostic Imaging: Musculoskeletal: Trauma, 1011
The Greenberg Rapid Review, A Companion to the 7th Edition, 1575
Book reviews, Controversies in Spine Surgery: Best Evidence Recommendations, 759
Bradycardia, in traumatic spinal injury, early cardiac pacemaker placement, 1485
Brain acoustic monitor (BAM), diagnosis of mild TBI, 554
Brain tissue oxygenation, management, in TBI, 535
Brief intervention
alcohol abuse, trauma healthcare provider's knowledge, 1437
alcohol-related, level 1 trauma centers, 931
Burns. *see* Thermal injury

Cancer risk, CT use in initial evaluation, intermediate risk trauma patients, 1362
Candidemia, in burn patients, 498
Captopril, mitigating effects, fat embolism model, 1186
Carbon monoxide-releasing molecule 2 (CORM-2), coagulation and, diluted plasma, 939
Cardiac injury, penetrating, long-term assessment, 701
Cardiac troponin, highly sensitive, in blunt chest trauma, letter, 766
Carotid artery
blunt injury
cost-effectiveness of screening for, 1051
role of CTA, 1058
internal, pseudoaneurysm, covered stent treatment, 816
β-Catenin, regulation, microvascular endothelial cells, 481
Caveolin-1, pulmonary permeability and, 210
Central venous catheter, insertion complications, bedside ultrasound, 1561
Central venous oxygen saturation, definition of fluid responsiveness, 802, 1014(letter)
Cerebral edema, TBI, ketamine effects on cytokine production, 1471
Cerebral hypoperfusion, biomarkers, in TBI, 1096
Cerebral perfusion pressure (CPP), three-dimensional scoring, brain index in severe TBI, 547
Cerebrovascular injury, blunt
improving screening criteria, 1058
screening, cost-effectiveness, 1051
Cervical spine. *see also* Spinal injury
blunt trauma, fracture evaluated by NEXUS criteria, 829
clearance, CT or MRI protocol, 345
fracture (*see* Fractures)
MVC injury, occupant and crash characteristics, 299
tracheostomy after injury, incidence and predictors, 111
unstable, neck pivot-shift phenomenon, 247
Chest trauma
blunt
hemorrhagic shock and, 189
highly sensitive cardiac troponin in, letter, 766
hemothorax and occult pneumothorax, practice management guidelines, 510
penetrating, functional assessment and echocardiography, 701
Chest tube
insertion, for pneumothorax, pulmonary edema after, 761
removal of, necessity of x-ray, letter, 523
thoracostomy, device for teaching, 1564
Chest wall, temporary closure, after emergent thoracotomy, 705
Clopidogrel, platelet inhibition, point-of-care assay, 65
Coagulation
after burn injury, inhalation trauma and, 1389
interrupted thromboprophylaxis, risk of thromboembolism in severe TBI, 19
Coagulopathy
acute traumatic, prehospital combat casualty care, S47
dilution, carbon monoxide-releasing molecule-2 effects, 939
early, result of TBI, letter, 765
fresh frozen plasma, 1:2 red cell ratios, 90
hypotensive resuscitation strategy, hemorrhagic shock patients, 652
resuscitation strategies, swine polytrauma model, 636
trauma-associated, use of spray-dried plasma, 664
trauma-induced, hemodilution and coagulation factor depletion, 1404
venous thromboembolism and, SICU patients, 1398
Cognitive behavioral therapy, *versus* inpatient psychotherapeutic treatment, trauma patients, 433
Cognitive impairment, hypoxia effects, multiple trauma without intracranial hemorrhage, 910
Cognitive reasoning, out-of-hospital trauma triage, distribution of injured patients in trauma systems, 1345
Collagen, composite system, antibiotic and bone cell delivery, 1503
Collateral ligament, ligament fractures, custom-made stretching static splint, 1268
Colon anastomosis
after damage control laparotomy, 595
damage control laparotomy, crystalloids after, 603
Coma, diffuse axonal injury, TBI, early prognosis, 447
Combat casualty care
hemostatic dressings, versus gauze, 1413
open tibial fractures, limb salvage and, 1241
prehospital fluid resuscitation, S1–S67
severe hemorrhagic shock, small volume resuscitation and survival, 1444
TBI, contrast to civilian counterparts, 11, 762
vascular injury management, crossroads, 1291
Compartment syndrome
abdominal
modified model, 775
temporary closure, long-term outcomes, 769
pediatric trauma, 1568
tourniquet-induced ischemia-reperfusion, poloxamer-188 mitigation of, 1192
Complications
central venous catheter insertion, bedside ultrasound, 1561
humeral fractures, open reduction and internal fixation, 1273
postinjury depression, adolescents after major trauma, 923
prevention, dedicated trauma unit, 575
renal injuries, need for routine follow-up, 1229
wrist fixation, hydroxyapatite-coated *versus* titanium pins, 845
Composite graft, for traumatic fingertip amputation, 148
Computed tomographic angiography (CTA)
blunt cerebrovascular injury, appropriate role in, 1058
extremity vascular trauma, 808
gallbladder rupture, trauma patient, image of trauma, 262
splenic injury, AAST member practices, 1026
Computed tomography (CT)
acute acalculous cholecystitis, trauma patients, 183
blunt trauma, pediatric, radiation exposure, 724
blunt traumatic occult pneumothorax, AAST multicenter study, 1019
cervical spine clearance, blunt trauma patients, 345
compared with NEXUS criteria, evaluation of cervical spine fracture, 829
diffuse axonal injury, in TBI, 447
flat inferior vena cava, solid organ injury patients, 1358
heart rate variability, hemodynamic stable trauma patients, 1371
initial evaluation of intermediate risk patients, mortality and, 1362
mild head injury, hemorrhage in warfarinized patients, 906
minor head injury, linear fractures occult on radiography, 180
multidetector, extremity vascular injury, 808
need for renal angioembolization, after high-grade renal trauma, 1219
radiation exposure, trauma patient management, 1366
routine follow-up, after kidney injuries, 1229
scoring system, for necrotizing soft-tissue infections, 894
severe abdominal injury, over reliance, 278
trauma scan, missed injury, 452
whole body, arm positioning effects on radiation dose, 900, 1014(letter)

© 2011 Lippincott Williams & Wilkins

Computer protocol, sepsis, evidence-based care, 1153
Conservative management, high-grade renal trauma, need for renal angioembolization, CT, 1219
Contrast media, renal injury induced by, posttraumatic, risks, 415
Cost-effectiveness, screening, blunt cerebrovascular injury, 1051
Costs
injury prevention, with limited resources, 985
major trauma, economic evaluation, 1086
social, injury in traffic collisions, 744
Craniectomy, postinjury decompressive, cranioplasty after, letter, 1014
Craniocerebral trauma, tertiary hospital, after Sichuan earthquake, E108
Cranioplasty, after decompressive craniectomy, letter, 1014
Crash Injury Research and Engineering Network (CIREN), upper extremity injuries, after MVCs, 838
Creatinine, clearance, renal failure in septic patients, 421
Critical illness, fluid management, transthoracic FREE, 57
Crump factor, prehospital hypotension, blunt trauma, 1038
Crush syndrome
acute renal injury and, Wenchuan earthquake, 1213
reperfusion and, systemic and histologic injuries, 1453
Crystalloids
after colon resection, anastomotic leakage, 603
PlasmaLyte, use in combat casualty care, S17
small volume, severe hemorrhagic shock, 1444
Cytokines
acute phase response, injury severity effects, 948
postischemic treatment, hind-limb ischemia-reperfusion, 103
TBI-induced production, ketamine effects, rat, 1471
ubiquitin effects, controlled cortical impact injury, 1104

Damage control
emergent thoracotomy, chest packing after, 705
genitourinary, penetrating renal injuries, image of trauma, 1299
hemorrhage, balloon catheter tamponade, 330
laparotomy
colon anastomosis after, 595
elderly patients, 616
predictors of early fascial closure, 1429
multiple transfusions, plasma to red cell ratios, 81
temporary vascular shunts, endothelial cell injury and, 1464
Debridement, open tibia fracture, timely management, 352
Deep vein thrombosis (DVT)
delayed surgery, femur and hip fractures, E113
duplex ultrasound screening, asymptomatic trauma patients, 27
vena cava filters, inferior, national variation, 1066
Deglutition disorders, initiating safe oral feeding, water swallow challenge, 1203
Delirium, hypoxia effects, multiple trauma without intracranial hemorrhage, 910
Delirium tremens, prediction, in trauma patients, letter, 263
Denervation
peripheral, microRNAs expression in soleus muscle, 472
regulation of integrin $\alpha 7$, signaling pathways, 220
Depression
inpatient psychotherapeutic treatment, versus outpatient psychotherapy, trauma patients, 433
postinjury, adolescents after major trauma, 923
Device removal, intramedullary nails, bent, 755
Diabetes mellitus, TBI in, insulin deficiency effects on mortality, 1141
Diastolic function, recovery of, survival after hemorrhage and, 787
Diffuse axonal injury, in TBI, early prognosis, 447
Disability, after major trauma, prevalence and prognostic factors, 916
Dislocation, sternoclavicular joint, treatment, 1294
Displacement, progressive, clavicular fractures in early postinjury period, 1263
Domestic violence
AAST Prevention Committee topical update, 996
screening, female trauma patients, 320
Dysphagia
cervical spine fracture patients, halo-vest fixation, 46
initiating safe oral feeding, water swallow challenge, 1203

Earthquake
acute renal injury and crush syndrome, Wenchuan earthquake, 1213
craniocerebral trauma, tertiary hospital, Sichuan earthquake, E108
Echocardiography, functional assessment and, penetrating cardiac injury, 701
Economics
cost-driven injury prevention, limited resources, 985
true costs of major trauma, 1086
Editorial, severe traumatic brain injury, 762
Education, increased respiratory support, ventilation of burn patients, 611
Elbow
custom-made stretching static splint, for complex elbow fracture, 1268
stiff, arthrolysis, lateral and medial approaches, 373
Elderly patients
crystalloid resuscitation, increased mortality and, 398
femoral neck fractures, minimally invasive hip replacement, 1257
minimally injured, impact of discharge, 1331
motor vehicle collision survival, trauma center volumes and, 1326
open abdomen, damage control laparotomy, 616
Electrocardiography (ECG), hemodynamic stability and, trauma patients, 1371
Electronic monitoring
BAM, diagnosis of mild TBI, 554
three-dimensional scoring, outcome in severe TBI, 547
Embolization
angiographic, nonvariceal upper GI bleeding, 1208
hepatic arterial, blunt trauma, 1031
splenic trauma, AAST member practices, 1026
transcatheter, aberrant obturator artery and hemorrhage, pelvic fracture, 366
transcatheter arterial, maxillofacial trauma, letter, 764
Emergency care, timing, effects on major TBI, 1134
Emergency department (ED)
crystalloid resuscitation, mortality in elderly and nonelderly, 398
head injury, decision aids, E79
length of stay, predictor of mortality in trauma activation patients, 1317
resuscitative thoracotomy in, defining the limits, 334
Emergency medical services (EMS)
advanced trauma life support protocol, systematized training effectiveness, E122
National Trauma Triage Protocol, evaluation of, 38
out-of-hospital decision making, regional distribution of injured patients, 1345
Emergency medicine specialist, *versus* trauma surgeon, letter, 1303
Empyema, gallbladder adenocarcinoma and, image of trauma, 261
Endoscopy, upper nonvariceal GI bleeding, angiographic embolization, 1208
Endothelial cells
after skin burns, escharectomy and, 459
injury, temporary vascular shunts, timing, 1464
microvascular, role of $\beta$-catenin in, 481
Endothelial progenitor cells, VEGF and Ang-1 changes, after TBI, 1480
Endotoxemia, acute lung injury in, magnesium sulfate mitigation, 1177
Endotracheal tube, continuous airway humidity for, 496
Endovascular techniques
trauma, vascular injury management, 1291



© 2011 Lippincott Williams & Wilkins

traumatic renal artery injury, image of trauma, 1300
Enteric injury, management, postinjury open abdomen, 273
Enterocutaneous fistulae, rectus abdominis muscle flap, 622
Epidemiology, surgical sepsis, general surgery patients, 672
Escharectomy, skin burns, endothelial progenitor cells after, 459
Ethyl pyruvate, postischemic treatment, hind-limb ischemia-reperfusion, 103
Evidence-based medicine, sepsis, surgical intensive care unit, 1153
Extremity injury
crush, incremental periods of reperfusion, 1453
lower, early fixation, risk of pulmonary embolus and, 1381
lower, snowboarding, E48
major limb replantation, femoral-radial shunting in, 1002
upper, after motor vehicle crashes, 838
vascular, CT angiography for, 808
Eye injury, depiction of protective eyewear, television, 965

Facial trauma, zygomatic mass, aneurysm bone cyst presenting as, image of trauma, E74
Failure to rescue, serious complications, success of dedicated trauma unit, 575
Fall prevention, AAST Prevention Committee topical update, 996
FAST dressing, grade V liver injury, reduction of blood loss, 1408
Fat embolism, captopril and losartan effects, lung histopathology, 1186
Federal funding, effect on clinical productivity, 51
Femoral head, necrosis, VEGF repair of, 1519
Femoral neck, nonunion, internal fixation and nonvascular fibular graft, 169
Femoral-radial arterial shunting, temporary, for arm replantation, 1002
Fibrin glue, platelet-rich, mesenchymal stem cells and, mandibular reconstruction, 228
Fibrinolysis, after burn injury, inhalation trauma and, 1389
Field triage. *see* Triage
Firearms. *see also* Gunshot wounds
fatalities, cross-sectional analysis of the world, 238
Firle eye magnet, during the industrial revolution, 519
Fixation
angle-stable locking of IM nails, unstable tibia fractures, 358
early, lower extremity fracture, risk of pulmonary embolus and, 1381
external, wrist, hydroxyapatite-coated versus titanium pins, 845
hinged external, arthrolysis and, treatment of stiff elbow, 373
internal, open reduction and, humeral fractures, 1273
Kirschner wire, high-energy open Lisfranc injury, 710
locking plate
*versus* K-wire, distal radial fractures, E125
subtrochanteric fracture model, E19
modified tension band, unstable distal clavicle fracture, E89
plate, oblique screw placement, biomechanics, E84
volar locking plate, distal radial fractures, 1510
Fluid management, transthoracic FREE exam, critically ill patients, 57
Fluid resuscitation
combat prehospital, S1
albumin, S22
alternative pharmacological fluids, S30
hetastarch, S19
hypertonic saline, 3% and 5%, S25
hypertonic saline, 7.5% and 7.5%/6% dextran, S27
immediate transfer to hospital, S2
lactated Ringer's, S15
normal saline, S13
PlasmaLyte, S17
tactical, S11
TBI, S32
cryopreserved red blood cells, prehospital combat casualty care, S45, S61
definition, central venous oxygen saturation, 802, 1014(letter)
freeze-dried plasma, prehospital combat casualty care, S57
hemoglobin-based oxygen carriers, prehospital combat casualty care, US Navy experience, S40
hemopure, prehospital combat casualty care, S38
lyophilized fibrinogen, prehospital combat casualty care, S50
lypholized platelets, prehospital combat casualty care, S59
perfluorocarbons, prehospital combat casualty care, S42
polymerized hemoglobin, prehospital combat casualty care, S34
prothrombin complex concentrate, prehospital combat casualty care, S53
reconstitution, prehospital combat casualty care, S65
small volume, severe hemorrhagic shock, 1444
Focused abdominal sonography for trauma (FAST), pelvic free fluid in suspicion of intra-abdominal injury and, 1420
Foley catheter, endoloop and, reduction of inferior orbital wall fractures, E38
Fractures
acetabular, Infra-acetabular screw placement, 244
calcaneal
foot and ankle kinematics after, 1234
outcomes after complex trauma, 159
clavicle, progressive displacement in early postinjury period, 1263
cervical spine
after blunt trauma, NEXUS criteria, 829
after penetrating neck injury, 870
halo-vest fixation, dysphagia in, 46
distal clavicle, modified tension band fixation, E89
distal radial
histomorphometric analysis, 154
volar locking plate osteosynthesis, 1510
volar locking plates *versus* K-wire fixation, E125
elbow, custom-made stretching static elbow splint, 1268
femoral
coagulopathy, use of spray-dried plasma, 664
delayed surgery, E113
locked compression intramedullary nails, 832
periprosthetic, biomechanics, E62
removal of bent intramedullary nail, 755
severity effects on acute phase response, 948
femoral neck
internal fixation and nonvascular fibular graft, 169
minimally invasive hip replacement, elderly patients, 1257
hand, proximal phalanx, dynamic treatment, 852
healing, increased bone formation effects, mice, 857
high-grade intra-articular, foot and ankle kinematics after, 1234
hip
delayed surgery, E113
isolated, National Trauma Data Bank, letter, 1578
POSSUM prediction of mortality, E67
humeral, open reduction and internal fixation, 1273
inferior orbital wall, reduction, E38
lower extremity, early fixation, risk of pulmonary embolus, 1381
open, antibiotic use in, 751
pelvic
aberrant obturator artery and hemorrhage in, 366
pediatric trauma, 1568
sacral, nerve injury with, multiplanar reconstruction, 1489
skull radiography, linear fractures occult on, 180
subtrochanteric model, locking plate fixation, E19
temporal bone, in head trauma, image of trauma, E73
thoracolumbar spine, evaluation, 174
tibia

angle-stable intramedullary nails, 358
diaphyseal bone defect, intramedullary reaming and, 1248
open, combat *versus* civilian, 1241
open, timely management, 352
Free tissue transfer, hand injury and reconstruction, medial sural artery perforator flap, 736

Gallbladder
cancer, complicated with empyema, image of trauma, 261
injury, blunt abdominal trauma, pediatric, 1005
traumatic rupture, image of trauma, 262
Gastrointestinal bleeding, nonvariceal upper, angiographic embolization, 1208
Gauze, *versus* hemostatic dressings, under fire scenarios, 1413
Gender differences, thermal injury, mortality after, 959
Gene expression, acute phase response, injury severity effects, 948
Gene polymorphism, tumor necrosis factor, outcome in trauma patients and, 954
General surgery, epidemiology of sepsis in, 672
General surgery residents, acute care surgery rotation, contribution to training, 590
Gene transfection, VEGF repair, femoral head necrosis, 1519
Geriatrics. *see* Elderly patients
Global surgical package, reimbursement, acute care surgery and, 583
Glutathione peroxidase (GSH-Px), oxidative stress and, arthroscopic knee surgery, 717
Guided tissue osteogenesis, autologous platelet-rich fibrin glue with, mandibular reconstruction, 228
Gunshot wounds. *see also* Firearms
hemorrhage, balloon catheter tamponade, 330
trans-spinal, acute aortic rupture after, image of trauma, 522
Gut barrier, breakdown, postinjury vagal nerve stimulation, 1168
Gut injury, shock-induced, disruption of the mucus layer, 630

Hand injury, reconstruction, medial sural artery perforator flap, 736
Hand trauma, proximal phalanx, dynamic treatment, 852
Harding approach, femoral neck fractures, hip replacement, elderly patients, 1257
Head injury
blast loading, E29
decompressive craniectomy, cranioplasty after, letter, 1014
major TBI, time to care, 1134
minor
hemorrhage in warfarinized patients, 906
linear fractures occult on radiography, 180
minor, intracranial hemorrhage with anticoagulants, 764(letter), E1
pediatric, decision aids in the ED, E79
snow sports, helmet use for children, letter, 1017
in TBI, early prognosis, 447
temporal bone fracture, air in TMJ as sign of, image of trauma, E73
Health care providers, knowledge and attitudes, screening for alcohol abuse, 1437
Health services, prophylactic IVC filter, national variation in use, 1066
Heart-lung interaction, central venous oxygen saturation, as marker, 802, 1014(letter)
Heart rate
prehospital shock index, risk for massive transfusion in normotensive patient, 384
variability, hemodynamically stable trauma patients, 1371
Helicopters. *see* Air transport
Helmet, helmet use for children, letter, 1017
Hematocrit, normalized, blood volume analysis in critically ill patients, 646
Hematopoietic progenitor cells, beta blockade effects, postinjury bone marrow suppression, 1043
Hemiarthroplasty, hip, femoral neck fractures, elderly patients, 1257
Hemodilution
blood volume analysis, anemia in critically ill patients, 646
carbon monoxide-releasing molecule 2 effects, diluted plasma, 939
coagulation factor depletion and, trauma-induced coagulopathy, 1404
trauma-associated coagulopathy, use of spray-dried plasma, 664
Hemoglobin-based oxygen carriers, resuscitation with prehospital combat casualty care, S34
US Navy experience, S40
Hemopure, resuscitation, prehospital combat casualty care, S38
Hemorrhage. *see also* Fluid resuscitation
balloon catheter tamponade for control, 330
cardiac systolic function recovery, survivability and, 787
INR relations, placement of ventriculostomy, 1112
intracranial (*see* Intracranial hemorrhage)
multiple trauma, plasma to red cell ratios in transfusions, 81
refractory, rFVII and, letter, 523
transfusion-related lung injury, rat model, 466
Hemorrhagic shock. *see also* Fluid resuscitation
coagulopathy, hypotensive resuscitation strategy, 652
gauze *versus* hemostatic dressings, under fire scenarios, 1413
gut injury induced by, disruption of the mucus layer, 630
hypertonic saline, arrhythmia and death after 60 minutes, 1444
mesenteric lymph injection, red blood cell dysfunction and, 489
pulmonary contusion and, inflammatory alterations, 189
Hemostasis
FAST dressing, grade V liver injury model, 1408
fresh frozen plasma, 1:2 red cell ratios, 90, 97
potential of thawed plasma, massive transfusion, 71
resuscitation, improved survival after, 97
Hemostatic dressing
*versus* gauze, comparison for under fire scenarios, 1413
grade V liver injury, reduction of blood loss, 1408
Hemothorax, practice management guidelines, 510
Heparin, low-molecular-weight, blunt solid abdominal organ injuries, 141
Hepatic cyst, posttraumatic, variocele secondary to, image of trauma, E53
Hetastarch
small volume, severe hemorrhagic shock, 1444
use in fluid resuscitation, prehospital combat care, S19
Histomorphometry, distal radial fracture, changes in aging, 154
Homicide, firearm fatalities, cross-sectional analysis of the world, 238
Hospitalization
immediate transfer, after prehospital fluid resuscitation, S2
safety-net hospitals, multilevel analysis, 978
trauma patients, insurance status effects on survival, 130
Hydroxyapatite
mesenchymal stem cell hybrid graft, spinal fusion, 1495
pins coated with, external fixation, wrist, 845
Hyoperfusion, early coagulopathy, after TBI, letter, 765
Hyovolemia, solid organ injuries, CT evidence of flat inferior vena cava, 1358
Hyperfibrinolysis, trauma-induced coagulopathy
lyophilized fibrinogen for, combat care, S50
lyophilized platelets for, combat care, S59
Hyperglycemia, TBI, in diabetic patients, 1141
Hyperinflammation, postinjury, multiple organ failure and adverse outcomes, 401
Hyperpermeability, microvascular endothelial cells, β-catenin regulation, 481
Hypertonic saline
3% and 5%, fluid resuscitation in combat care, S25
7.5% and 7.5%/6% dextran, fluid resuscitation in combat care, S27
small volume, severe hemorrhagic shock, 1444
TBI patients, fluid resuscitation in combat care, S32
Hypotension, in traumatic spinal injury, early cardiac pacemaker placement, 1485
Hypothermia
resuscitation strategies, swine polytrauma model, 636




© 2011 Lippincott Williams & Wilkins

temporary vascular shunts, endothelial cell injury and, 1464
Hypovolemic shock. *see also* Fluid resuscitation
cardiac systolic function recovery, survivability and, 787
Hypoxia
delirium or cognitive impairment and, multiple trauma without intracranial hemorrhage, 910
in septic shock, mortality and, 1145

Iliofemoral artery, blunt injury, ex vivo bypass, 203
Imaging
air in spinal disc, dissecting into psoas muscle, 1577
CT, acute acalculous cholecystitis in trauma patients, 183
dynamic sonographic air bronchogram, severe respiratory failure, 760
extraperitoneal bladder rupture, hip joint, 1575
fallen lung sign, chest radiograph, 1012
gallbladder cancer, 261
gallbladder rupture, CTA, 262
head trauma, temporal bone fracture, E73
penetrating renal trauma, 1299
routine follow-up, after kidney injuries, 1229
smoke inhalation injury, singular distribution of, 1013
steel bar impalement, E53
sulfuric acid ingestion, E98
trans-spinal gunshot wound, acute aortic rupture after, 522
traumatic renal artery injury, 1300
traumatic type A dissection, 521
varicocele, secondary to giant posttraumatic hepatic cyst, E53
Immobilization
cervical, after penetrating neck injury, 870
spine board, removal of patient, 1282
unstable cervical spine, patient maneuvering and, 247
Immune response, ubiquitin effects, controlled cortical impact injury, 1104
Immunologic response, blunt chest trauma, hemorrhagic shock and, 189
Immunosuppression, postburn, Th17 CD4+ lineage after, 681
Impalement, steel bar, image of trauma, E53
Infection
deep surgical site, hollow viscus injury, closed suction drain and, 1424
necrotizing soft-tissue, CT scoring system for, 894
nosocomial, organ failure and, obesity effects after injury, 292
Inferior vena cava
flat, CT evidence, solid organ injury patients, 1358
prophylactic filters, inferior, national variation, 1066
transthoracic FREE, fluid management in critically ill patients, 57
Inflammation
ethyl pyruvate treatment, hind-limb ischemia-reperfusion, 103
hemorrhagic shock, pulmonary contusion and, 189
spinal cord injury, body cooling effects, 885
Infra-acetabular screws, placement, acetabular fractures, 244
Inhalation trauma, burns and, coagulation after, 1389
Injury. *see also* Trauma
dedicated trauma center, performance improvement with, 569
missed, in the era of trauma scan, 452
strengthening care, 2010 Fitts Lecture, 1307
traffic collisions, social cost of, 744
trauma center designations, Hong Kong, China, 1128
Injury mechanism, evaluation of National Trauma Triage Protocol, 38
Injury prevention
AAST Prevention Committee topical update, 996
alcohol-related brief interventions, level 1 trauma centers, 931
cost-driven, limited resources, 985
P.A.R.T.Y. Program, effectiveness of, 732
preventable trauma deaths, improvement in care, 970
screening for mental illness and, trauma centers, 1337
Injury severity, acute phase response and, 948
Injury tolerance criteria, axial impulse loading, isolated tibia, E13
Insulin, deficiency, in TBI, mortality and, 1141
Integrin $\alpha 7$, signaling pathways, denervation effects, 220
Intensive care unit (ICU)
acute acalculous cholecystitis, CT imaging, 183
criteria for admission, letter, 1303
delirium, hypoxia and, multiple trauma patients, 910
initiating safe oral feeding, water swallow challenge, 1203
surgical
evidence-based care of sepsis, 1153
venous thromboembolism in, 1398
TBI and intracranial hemorrhage, identification of low-risk patients, E101
Interfacility transfer, helicopters and, survival in trauma patients, 310
Interleukin-17, T cells, postburn immunosuppression, 681
International Normalized Ratio (INR)
hemorrhage and
defining triggers for transfusion, 794
ventriculostomy placement, 1112
intracranial hemorrhage, warfarinized head injury patients, 906
Interventions, trauma survivors network, 1557
Intestinal obstruction, temporary abdominal closure, long-term outcomes, 769
Intimate partner violence, screening for, female trauma patients, 320
Intra-abdominal hypertension (IAP), compartment syndrome, modified model, 775
Intracranial hemorrhage
low-risk patients, identification of, E101
mild head injury, in warfarinized patients, 906
minor head trauma, anticoagulant and antiplatelet medication effects, 764(letter), E1
trauma, safety of thromboembolism prophylaxis in, 324
Intracranial hypertension, biomarkers, in TBI, 1096
Intracranial injury, terrorist bombing attack, PTSD in victims, 1546
Intracranial pressure (ICP), three-dimensional scoring, brain index in severe TBI, 547
Ionized calcium, admission, prediction of transfusions, 391
Ischemia-reperfusion
arthroscopic knee surgery, preconditioning and NAC effects, 717
hind limb, ethyl pyruvate effects, 103
tourniquet-induced
crush syndrome, animal model, 1453
muscular edema, poloxamer-188 effects, 1192

Ketamine, cytokines in TBI, cerebral edema, 1471
Kinematics, foot and ankle, after high-grade intra-articular fractures, 1234

Lactate, serum levels, prehospital, predictor of outcome, 782
Lactated Ringer's, use in fluid resuscitation, combat care, S15
Laminectomy, chip bone grafts, spinal fusion, LIPU enhanced healing, 863
Laparoscopy, use in pediatric abdominal trauma, letter, 265
Laparotomy
abbreviated, embolization, blunt hepatic trauma, 1031
damage control
colon anastomosis after, 595
crystalloids after colon anastomosis, 603
elderly patients, 616
damage-control, predictors of early fascial closure, 1429
hollow viscus injury, closed suction drain after, 1424
Lateral arm flap, osteocutaneous, forearm reconstruction, 1286
Lipopolysaccharide, lung injury induced by, magnesium sulfate mitigation, 1177
Lisfranc injury, high-energy open, long-term outcome, 710
Liver injury
blunt
hepatic arterial embolization for, 1031
nonoperative management, observation for, 626
coagulopathy, use of spray-dried plasma, 664
grade V, FAST dressing reduces blood loss, 1408

Locked compression, intramedullar nails, use in distal femoral fractures, 832
Losartan, mitigating effects, fat embolism model, 1186
Lung injury
acute
caveolin-1 effects on epithelial permeability, 210
coagulation and fibrinolysis, 1389
endotoxemia, magnesium sulfate and, 1177
fallen lung sign, radiography, image of trauma, 1012
fat embolism, captopril and losartan mitigating effects, 1186
smoke inhalation, singular distribution of, image of trauma, 1013
transfusion-related, trauma-hemorrhage animal model, 466
Lymphangioleiomyomatosis, spontaneous tension pneumothorax secondary to, E99
Lyophilization. *see* Red blood cells
Lyophilized fibrinogen, for hemorrhage, prehospital combat casualty care, S50
Lyophilized platelets, for hemorrhage, prehospital combat casualty care, S59

Magnesium sulfate, mitigation, lung injury in endotoxemia, 1177
Magnetic resonance imaging (MRI)
cervical spine clearance, blunt trauma patients, 345
surgical staple effects, 1279
Malondialdehyde (MDA), oxidative stress and, arthroscopic knee surgery, 717
Mangled Extremity Severity Score (MESS), limb salvage, combat versus civilian tibia fractures, 1241
Maxillofacial trauma, transcatheter arterial embolization, letter, 764
Mayo Elbow Performance Score, elbow fractures, custom-made stretching static splint, 1268
Media depiction, protective eyewear devices, popular television, 965
Medial sural artery perforator flap, versatile donor site, for hand reconstruction, 736
Medical education, surgical trainees, unsupervised procedures by, 136
Medical insurance
status of hospitalized trauma patient, effects on survival and, 130
unsupervised procedures, by surgical trainees, 136
Medicare, unsupervised procedures, by surgical trainees, medical education and, 136
Mental health, quality of life after trauma, trial with recombinant factor VII, 1524
Mental illness, screening in trauma center, prevention of unintentional injury and, 1337
Mesenchymal stem cells
autologous platelet-rich fibrin glue with, mandibular reconstruction, 228
collagen composite system, antibiotic and bone cell delivery, 1503
fluorescence-labeled, bone substitute in spinal fusion, 1495
Mesenteric artery, damage control in, temporary vascular shunt, 1464
Microarray, soleus muscle, after peripheral denervation and reinnervation, 472
Microcirculation, assessment, septic shock, 1145
Microparticles, thawed plasma, hemostatic potential in trauma, 71
MicroRNAs, soleus muscle, after peripheral denervation and reinnervation, 472
Military medicine, severe TBI, combat versus civilian counterparts, 11, 762
Mobile medical teams, on-scene times, effects on mortality, letter, 1301
Modified Smith-Peterson approach, femoral neck fractures, hip replacement, elderly patients, 1257
Mortality
abdominal stab wounds, nonoperative management, 408
admission ionized calcium, prediction of transfusions, 391
after burns, gender differences, 959
dedicated trauma center, performance improvement with, 569
dedicated trauma unit, improved value and outcomes, 560
early, after TBI, prognostic model, E56
hospital, ED length of stay as predictor, 1317
hospitalized trauma patients, insurance status effects, 130
intermediate risk trauma patients, effects of CT use in initial evaluation, 1362
meditation on, 340
mobile medical team, on-scene times, letter, 1301
postinjury thrombocytopenia, multiple organ failure and, 401
prediction, hip fracture patients, E67
preventable trauma deaths, improvement in care, 970
short-term, directness of transport to level 1 trauma center and, 1118
TBI, insulin deficiency effects in diabetic patients, 1141
tissue oxygenation and, septic shock patients, 1145
trauma safety-net hospitals, multilevel analysis, 978
Motor function, long-term recovery, L-arginine and, in spinal cord injury, 1198
Motor vehicle collisions (MVC)
cervical spinal injuries, occupant and crash characteristics, 299
front seat occupants, upper extremity injuries, 838
injuries in, social cost of, 744
quality of life after, SUN cohort, 1072
syncope workup, value in trauma patients, 428
trauma center survival, elderly patients, 1326
Mucormycosis, trauma-induced, survival, 507
Mucus layer, disruption, trauma-induced gut injury, 630
Multiplanar reconstruction (MPR), sacral nerve injury, after sacral fracture, 1489
Multiple organ dysfunction syndrome (MODS)
mesenteric lymph injection and, hemorrhagic shock, 489
TNF gene polymorphism, effects on outcome, 954
Multiple system organ failure (MOF)
after trauma, obesity effects, 292
refractory postinjury thrombocytopenia and, 401
Multiple trauma
coagulopathy, use of spray-dried plasma, 664
hemostatic and pharmacologic resuscitation, swine model, 636
hypoxia effects, delirium or cognitive impairment, 910
with paraplegia, neurological and functional recovery, 1078
pediatric, orthopedic management, 1568
transfusions, plasma to red cell ratios, 81
whole body CT, arm positioning effects on radiation dose, 900, 1014(letter)
Muscle atrophy, integrin a7 signaling pathways, denervation effects, 220
Muscle edema, tourniquet-induced ischemia-reperfusion, poloxamer-188 mitigation of, 1192
Muscle flap, rectus abdominis, repair of enterocutaneous fistulae, 622

Nailing, intramedullary
angle-stable locking, tibia fracture, 358
locked compression, in femoral fractures, 832
removal of bent nails, 755
National Emergency X-Radiography Utilization Study (NEXUS), versus CT, evaluation of cervical spine fracture, 829
National Trauma Databank, helicopters, interfacility transfer and, 310
Near-infrared spectroscopy, septic shock, tissue oxygenation, 1145
Neck injury, penetrating, unstable cervical spine fracture after, 870
Neck pivot-shift phenomenon, patient maneuvering, unstable cervical spine during, 247
Necrosis, femoral head, VEGF repair, 1519
Necrotizing fasciitis, CT scoring system for, 894
Neurogenesis, spinal cord injury, body cooling effects, 885
Neuroinflammation, TBI, serum and CSF biomarkers, 1096
Neurological deficit, thoracolumbar spinal injuries, evaluation, 174
Neurological recovery, multiple trauma, with paraplegia, 1078
Neuroprotectant, motor function recovery and, acute spinal cord injury, 1198
Nicotine, low-dose, effect on bone healing, E117
Nitric oxide, motor function recovery and, acute spinal cord injury, 1198



© 2011 Lippincott Williams & Wilkins

*N*-methyl-D-aspartate (NMDA) receptor, magnesium sulfate mitigation, acute lung injury in endotoxemia, 1177
Nonoperative management
blunt liver injuries, observation for, 626
failure, blunt solid abdominal organ injuries, 141
stab wounds, anterior abdominal, 408
Nonunion, femoral neck, internal fixation and nonvascular fibular graft, 169
Norepinephrine, beta blockade effects, bone marrow suppression, 1043
Normal saline, use in fluid resuscitation, combat care, S13
Nurse practitioners, dedicated trauma unit, improved value and outcomes, 560

Observation, nonoperative management, blunt liver trauma, 626
Organ injury, AAST renal injury grading system, revisions, 35
Osteoporosis, distal radial fracture, histomorphometric analysis, 154
Outcomes
after thermal injury, gender differences, 959
complex trauma of the foot, 159
dedicated trauma unit
improved value in level 1 trauma center, 560
performance improvement, 569
delayed abdominal wall reconstruction, 285
duplex ultrasound screening, DVT in asymptomatic trauma patients, 27
elderly motor vehicle collision patients, link to trauma center volume, 1326
level 1 and level 2 centers, differences, mature trauma systems, 1354
long-term
high-energy open Lisfranc injury, 710
temporary abdominal closure, 769
open tibia fracture, timely management effects, 352
pediatric trauma, quality of life after, 1532
postinjury depression, adolescents after major trauma, 923
postinjury thrombocytopenia, multiple organ failure and, 401
preventable trauma deaths, improvement in care, 970
prophylactic IVC filter, national variation in use, 1066
serum lactate levels, prehospital, in trauma, 782
severe abdominal injury, over reliance on CT and, 278
severe TBI
brain trauma index, 547
combat versus civilian counterparts, 11, 762
splenic artery embolization, proximal versus distal, 252
TBI, socioethnic factors, 527
trauma center designations, Hong Kong, China, 1128
trauma patients, TNF gene polymorphism effects, 954
trauma safety-net hospitals, multilevel analysis, 978
trauma team, first line management of patients, letter, 264
vascular injury, pediatric, 823
volar locking plate osteosynthesis, distal radial fractures, 1510

Pacemaker, early placement, traumatic spinal cord injury, 1485
Pancreatitis, open abdomen and, letter, 523
Paraplegia, multiple trauma, neurological and functional recovery, 1078
P.A.R.T.Y. Program, effectiveness of, injury prevention, 732
Patient-centered care, trauma survivors network, 1557
Patient safety, spinal injury, removal from spine board, 1282
Pedestrians, injury prevention, cost-driven plan, 985
Pediatric trauma
abdominal, laparoscopy use, letter, 265
diagnostic radiation exposure, 724, E24
gallbladder injury, blunt abdominal trauma, 1005
head injury, decision aids in the ED, E79
helmet use, snow sports, letter, 1017
orthopedic management, 1568
quality of life, functional and health-related, 1532
septic arthritis, PAID technique, 377
vascular, management and early outcome, 823
vulnerable families, 1539
Percutaneous aspiration irrigation drainage (PAID), septic arthritis, children, 377
Perfluorocarbons, fluid resuscitation, prehospital combat casualty care, S42
Peripheral nerve injury, integrin α7 signaling pathways, denervation effects, 220
Peripheral vascular injury, evaluation and management, WTA, 1551
Peritoneal free fluid, pregnant patient, FAST evaluation of, 1420
Pharmacological resuscitation fluids, combat casualty care, S30
Planned ventral hernia, delayed abdominal wall reconstruction, outcome, 285
Plasma
freeze-dried, resuscitation, prehospital combat casualty care, S57
fresh frozen, hemostatic potential
1:2 red cell ratio, 90
in thawed plasma, 71
in thromboelastography, letter, 1302
platelet-rich, fibrin glue, mandibular reconstruction, 228
red cell ratios, multiple transfusions, 81
spray-dried, trauma-associated coagulopathy, 664
PlasmaLyte, use in fluid resuscitation, combat care, S15
Platelet inhibition, clopidogrel point-of-care assay, trauma patients, 65
Plavix. *see* Clopidogrel
Pneumonia, ventilator-associated, in pulmonary contusion, 42
Pneumothorax
chest tube, re-expansion pulmonary edema after, 761
occult
blunt traumatic, AAST multicenter study, 1019
practice management guidelines, 510
tension, with lymphangioleiomyomatosis, E99
Poloxamer-188, for muscular edema, after tourniquet-induced ischemia-reperfusion, 1192
Poly(lactide-*co*-glycolide) (PLGA), collagen composite system, antibiotic and bone cell delivery, 1503
Polymerized hemoglobin, resuscitation, prehospital combat casualty care, S34
Posttraumatic stress disorder (PTSD)
inpatient psychotherapeutic treatment, *versus* outpatient psychotherapy, 433
terrorist bombing attack victims, 1546
Practice management
hemothorax, occult pneumothorax and, 510
prophylactic antibiotics, use in open fractures, 751
TBI interventions, management of brain tissue oxygenation, 535
Predictors
disability, after major trauma, 916
serum lactate levels, prehospital, in trauma, 782
tracheostomy, after cervical spinal cord injury, 111
transfusion triggers, defining value of, 794
Pregnancy, pelvic free fluid, suspicion of intra-abdominal injury and, 1420
Prehospital care
blunt trauma, hypotension, Crump factor, 1038
CPR, ED resuscitative thoracotomy, defining the limits, 334
directness of transport and, protensity score analysis of major trauma, 120
fluid resuscitation, S1–S67
mobile medical team, on-scene times, letter, 1301
serum lactate, predictor of outcome, 782
shock index, risk for massive transfusion in normotensive patient, 384
thoracotomy, thirteen survivors, E75
Propensity score, prehospital factors, directness of transport and, major trauma, 120
Propranolol, bone marrow suppression, postinjury, 1043
Protective devices, eyewear, depiction on television, 965
Prothrombin complex concentrate, resuscitation, prehospital combat casualty care, S53
Pseudoaneurysm, internal carotid artery, treatment with Willis covered stent, 816
Psoas muscle, air in spinal disc, after trauma, 1577

Pulmonary contusion, airway pressure release ventilation, 42
Pulmonary edema
caveolin-1 effects, epithelial permeability, 210
re-expansion, after chest tube for pneumothorax, 761
Pulmonary embolism
asymptomatic trauma patients, duplex ultrasound screening, 27
lower extremity fracture, early fixation effects, 1381
prophylactic IVC filter, national variation in use, 1066

Quality improvement
dedicated trauma center
prevention of complications, 575
treatment outcomes, 560, 569
preventable trauma deaths, 970
Quality of life
after delayed abdominal wall reconstruction, 285
after MVC, SUN cohort, 1072
after severe trauma
pediatric, 1532
trial with recombinant factor VII, 1524
health-related, after major trauma, 916
postinjury depression, adolescents after major trauma, 923

Racial differences, outcomes of TBI, 527
Radiation exposure
arm positioning effects, whole body CT, 900, 1014(letter)
burden of, trauma patient management, 1366
CT use in initial evaluation, intermediate risk trauma patients, 1362
diagnostic, pediatric trauma patients, 724, E24
Radiography
cervical spine and chest, systematized training effectiveness, E122
chest, before chest tube removal, letter, 523
fallen lung sign, image of trauma, 1012
radiation exposure, trauma patient management, 1366
skull, linear fractures occult on, 180
Radiology, signs of barotrauma, E55
Reaming, intramedullary, shaft fractures with bone defect, 1248
Recombinant factor VII (rFVII), refractory traumatic hemorrhage, letter, 523
Reconstitution, in fluid resuscitation, prehospital combat casualty care, S65
Reconstruction
forearm, osteocutaneous lateral arm flap, 1286
hand, medial sural artery perforator flap, 736
iliofemoral artery, blunt injury, 203
mandibular, platelet-rich fibrin glue and stem cells, 228
multiplanar, sacral nerve injury, after sacral fracture, 1489
Rectus abdominis, muscle flap, repair of enterocutaneous fistulae, 622
Red blood cells
cryopreserved, prehospital combat casualty care, S45, S61
dysfunction, mesenteric lymph injection and, 489
plasma ratios, multiple transfusions, 81
Regional care center, acute care, triage to, 116
Rehabilitation, trauma survivors network, 1557
Reimbursement, global surgical package, acute care surgery, 583
Reinnervation, microRNAs expression in soleus muscle, 472
Renal artery injury, endovascular repair, image of trauma, 1300
Renal function, serum creatinine significance, septic patients, 421
Renal trauma
acute, crush syndrome and, Wenchuan earthquake, 1213
contrast-induced, risks, 415
grading system, AAST, 35
need for angioembolization, CT scan criteria for prediction, 1219
penetrating, minimally invasive management, image of trauma, 1299
routine follow-up imaging, necessity of, 1229
Replantation, fingertip, composite grafting, 148
Research, federal funding of, effect on clinical productivity, 51
Residency training, acute care surgery rotation, 590
Respiratory failure, alveolar consolidation in, dynamic sonographic air bronchogram, image of trauma, 760
Resuscitation
ED length of stay, predictor of hospital mortality, 1317
fluid (*see* Fluid resuscitation)
hemostatic, improved survival, 97
hemostatic and pharmacologic, swine polytrauma model, 636
hypotension, hemorrhagic shock patients, 652
increased respiratory support, ventilation of burn patients, 611
R.A.P.T.O.R. suite, letter, 1579
thoracotomy, in the ED, defining the limits, 334
volume, mortality in elderly patients, 398
Risk factors
contrast-induced renal injury, posttraumatic, 415
penetrating neck injury, unstable cervical spine fracture after, 870
unintentional injury, screening for mental illness in a trauma center, 1337
Rural Trauma Team Development Course (RTTDC), time to decision to transfer, 315
Russia, trauma in, then and now, 991

Sacral nerve injury, during sacral fracture, MPR application, 1489
Saline. *see* Hypertonic saline; Normal saline
Screening
alcohol abuse, trauma healthcare provider's knowledge, 1437
blunt cerebrovascular injury
cost-effectiveness, 1051
role of CTA, 1058
mental illness, trauma center, prevention of injury and, 1337
water swallow challenge, initiating safe oral feeding, 1203
Screws. *see* specific type
Seat belts, front seat occupants, upper extremity injuries in MVCs, 838
Sepsis
epidemiology, general surgery patients, 672
evidence-based care, surgical intensive care unit, 1153
regional oxygen saturation, mortality and, 1145
TNF gene polymorphism, effects on outcome, 954
Septic shock
evidence-based care, surgical intensive care unit, 1153
regional oxygen saturation, mortality and, 1145
Shock, base deficit for diagnosis, trauma patients, letter, 1580
Shock index, prehospital, risk for massive transfusion in normotensive patient, 384
Shoulder girdle injury, progressive displacement, early postinjury period, 1263
Skeletal muscle, hind-limb ischemia-reperfusion, ethyl pyruvate treatment effects, 103
Skin burns, escharectomy and, endothelial progenitor cells after, 459
Smoke inhalation injury, singular distribution, image of trauma, 1013
Socioeconomics, vulnerable families, injury and health in children, 1539
Socioethnic factors, outcome of TBI, 527
Soft tissue injury
defect, lateral arm flap, in forearm reconstruction, 1286
foot, outcomes, 159
necrotizing infection, CT scoring system for, 894
Soleus muscle, microRNAs expression in, after peripheral denervation and reinnervation, 472
Spinal fusion
hybrid graft, mesenchymal stem cells used in, 1495
lumbar, healing of laminectomy bone chip grafts, 863
Spinal injury
acute, L-arginine and motor function recovery, 1198
body cooling for, outcome improvement, 885
cervical
bradycardia in, pacemaker placement, 1485
occupant and crash characteristics in MVC, 299
tracheostomy after, 111
pediatric, 1568
spine board, removal of patient, 1282
thoracolumbar, evaluation, 174



© 2011 Lippincott Williams & Wilkins

Spine board, removal of patient, 1282
Splenic artery, embolization, proximal versus distal, 252
Stents, Willis covered, internal carotid artery pseudoaneurysm, 816
Step-down unit (SDU), initiating safe oral feeding, water swallow challenge, 1203
Sternoclavicular joint dislocations, treatment, 1294
Stiff elbow. see Elbow
Subarachnoid hemorrhage, traumatic, alcoholism and, E6
Subdural hematoma, decompressive surgery, intraoperative sonography, letter, 1578
Suicide
  AAST Prevention Committee topical update, 996
  firearm fatalities, cross-sectional analysis of the world, 238
Suicide bombing attack, PTSD in victims, 1546
Sulfuric acid, ingestion, image of trauma, E98
Superoxide dismutase (SOD), oxidative stress and, arthroscopic knee surgery, 717
Surgical education
  trainees, unsupervised procedures by, 136
  tube thoracostomy, device for teaching, 1564
Surgical history, Firle eye magnet, industrial revolution, 519
Surgical staples, effects in MRI, 1279
Surgical training, vascular injury management, 1291
Survival
  differences, level and level 2 in mature trauma systems, 1354
  elderly motor vehicle collision patients, link to trauma center volume, 1326
  hemorrhage, cardiac systolic function recovery, 787
  improved, after hemostatic resuscitation, 97
  interfacility transfer, helicopters and, 310
  prehospital thoracotomy, physician-performed, E75
  short-term, directness of transport to level 1 trauma center and, 1118
  temporary chest wall closure, after emergent thoracotomy, 705
  trauma-induced mucormycosis, 507
Swallowing assessment, cervical spine fracture, halo-vest fixation in, 46
Syncope, routine workup, value in trauma patients, 428
Systolic function, recovery of, survival after hemorrhage and, 787

T cells, Th17 CD4+, postburn immunosuppression, 681
Temporomandibular joint (TMJ), air in, CT sign, image of trauma, E73
Thermal injury
  candidemia in, 498
  gut barrier breakdown, postinjury vagal nerve stimulation, 1168
  increased respiratory support, current trauma management, 611
  inhalation trauma and, coagulation after, 1389
  mortality after, gender differences, 959
  postburn immunosuppression, Th17 CD4+ lineage after, 681
  skin burns, escharectomy and, endothelial progenitor cells, 459
Thoracic aortic injury, blunt, autopsy study, 197
Thoracostomy, tube
  blunt traumatic occult pneumothorax, 1019
  device for teaching, 1564
Thoracotomy
  emergent, chest packing after, 705
  prehospital, thirteen survivors, E75
  resuscitative, in the ED, defining the limits, 334
Thrombin, generation, hemostatic potential of thawed plasma, 71
Thrombocytopenia, refractory postinjury, multiple organ failure and adverse outcomes, 401
Thromboelastography
  CORM-2 effects, diluted plasma, 939
  packed red cell transfusion ratio, letter, 1302
Thromboembolism
  interrupted thromboprophylaxis, in severe TBI, 19
  prophylaxis, safety in TBI patients, 324
Thromboprophylaxis
  coagulopathic patients, SICU, 1398
  pharmacologic, interruption of, in TBI, 19
Tibia
  fracture (*see* Fractures)
  isolated, injury tolerance criteria, E13
Tissue oxygenation, septic shock, mortality and, 1145
Titanium alloy pins, external fixation, wrist, 845
Toll-like receptor, bacteria and, bacterial ligand stimulation, 691
Tracheostomy
  after cervical spinal cord injury, incidence and predictors, 111
  continuous airway humidity for, 496
Traffic collision. see Motor vehicle collision (MVC)
Training, alcohol-related brief interventions, level 1 trauma centers, 931
Transcatheter embolization. see Embolization
Transcytosis, immunoglobulin A, bacteria and TLR-dependent stimulation, 691
Transfusion
  acute lung injury related to, trauma-hemorrhage model, 466
  fresh frozen plasma, 1:2 red cell ratios, 90
  massive
    risk in normotensive patient, use of prehospital shock index, 384
    thawed plasma, hemostatic potential of, 71
    triggers, predictive value of, 794
  multiple
    plasma to red cell ratios, multiple trauma patients, 81
    prediction of need, admission ionized calcium, 391
  packed red blood cell ratio, thromboelastography, letter, 1302
Transmetatarsal joint injury, fusion, high-energy open Lisfranc injury, 710
Transport
  directness of
    to level 1 trauma center, mortality and, 1118
    prehospital factors and, major trauma, 120
  major TBI, time to care effects, 1134
Transthoracic focused rapid echocardiographic examination (FREE), critically ill patients, 57
Trauma
  abdominal (*see* Abdominal trauma)
  alcohol-related brief interventions, level 1 trauma centers, 931
  blunt
    cervical, NEXUS criteria versus CT, 829
    hepatic arterial embolization for, 1031
    hypovolemia in solid organ injuries, 1358
    iliofemoral artery injury, ex vivo bypass, 203
    liver, nonoperative management, observation for, 626
    prehospital hypotension, Crump factor, 1038
    solid organ injuries, nonoperative management, 141
    spleen, AAST member practices, 1026
    splenic artery embolization, outcomes, 252
    thoracic aorta, autopsy study, 197
  blunt cerebrovascular injury
    role of CTA in, 1058
    screening, cost-effectiveness, 1051
  coagulopathy
    hemodilution, 1404
    hypotensive resuscitation strategy, 652
    prehospital combat casualty care, S1–S67
  complex, foot, outcomes, 159
  damage-control laparotomy, predictors of early fascial closure, 1429
  ED length of stay, predictor of hospital mortality, 1317
  fingertip amputation, composite grafting for, 148
  gut injury, disruption of mucus layer, 630
  hemorrhage and, acute lung injury and transfusion, 466
  improvement, preventable trauma deaths, 970
  increased respiratory support, ventilation of burn patients, 611
  injury prevention, P.A.R.T.Y. Program, 732
  lower extremity, snowboarding, E48
  major
    disability after, 916
    postinjury depression in adolescents, 923
    prehospital factors and directness of transport, 120
    true costs of, 1086
  motor vehicle crashes, quality of life, SUN cohort, 1072
  mucormycosis induced by, survival, 507

multiple (*see* Multiple trauma)
organ failure and infection, obesity effects, 292
penetrating, prehospital thoracotomy for, E75
Russian Federation, 991
safety-net hospitals, multilevel analysis, 978
severe, quality of life after, 1524
strengthening care for the injured, 2010 Fitts Lecture, 1307
survivors network, 1557
thoracolumbar spinal injuries, evaluation, 174
type A dissection, image of trauma, 521
vascular injury, crossroads in management, 1291
Trauma centers
admission criteria, minimally injured elderly patients, 1331
dedicated unit
improved value and outcomes, 560
performance improvement, 569
prevention of complications, 575
designation, Hong Kong, China, 1128
field triage, evaluation of National Trauma Triage Protocol, 38
first line management of patients, letter, 264
level 1
alcohol-related brief interventions, 931
directness of transport of major trauma patient, 1118
prehospital factors, directness of transport and, score analysis, 120
screening for mental illness, injury prevention and, 1337
volume of patients, geriatric motor vehicle collision survival and, 1326
Trauma patients
admission ionized calcium, prediction of transfusions, 391
antiplatelet activity, clopidogrel point-of-care assay, 65
asymptomatic, duplex ultrasound screening for DVT, 27
base deficit, in diagnosis of shock, letter, 1580
comorbidities, minimally injured elderly patients, 1331
contrast-induced renal injury, posttraumatic, risks, 415
delirium tremens, prediction of, letter, 263
diabetic, TBI in, 1141
female, screening for intimate partner violence, 320
first line management of, letter, 264
hemodynamically stable, heart rate variability in, 1371
hospitalized, insurance status effects on survival, 130
inpatient psychotherapeutic treatment, versus outpatient psychotherapy, 433
intermediate risk, CT use in, mortality and, 1362
massive transfusion, hemostatic potential of thawed plasma, 71
mortality, ED crystalloid resuscitation effects, 398
obtunded blunt, cervical spine clearance, 345
radiation exposure, 1366
rural, RTTDC effects on time of decision to transfer, 315
serum creatinine, renal failure and, 421
serum lactate levels, prehospital, predictor of outcome, 782
spine board, removal from, 1282
syncope workup, routine or protocol evaluation, 428
TBI, safety of thromboembolism prophylaxis, 324
thoracolumbar spinal injuries, evaluation, 174
TNF gene polymorphism, effects on outcome, 954
Trauma research, letter, 263
Trauma scan, missed injuries, 452
Trauma surgeons, *versus* emergency medicine specialist, letter, 1303
Trauma surgery
acetabular fractures, Infra-acetabular screw placement, 244
colon resection, anastomotic leakage and crystalloids, 603
federal funding effects, clinical productivity, 51
global surgical package reimbursement, 583
laparotomy, elderly patients, 616
rotation, contribution to residency training, 590
Trauma systems
interfacility transfer, helicopters and, 310
mature, survival in level 1 and level 2, 1354
out-of-hospital decision making, regional distribution of injured patients, 1345
Traumatic brain injury (TBI)
angiogenesis after, VEGF and Ang-1 changes, 1480
benign paroxysmal positional vertigo after, treatment, 442
brain tissue oxygen in, management, 535
cytokine production induced by, ketamine effects, rat, 1471
diabetic patient, insulin deficiency effects on mortality, 1141
diffuse axonal injury, early prognosis, 447
early coagulopathy as result of, letter, 765
early mortality, prognostic model, E56
hemodynamically stable patients, heart rate variability, 1371
hypoxic events, delirium or cognitive impairment, 910
internal carotid artery pseudoaneurysms, Willis covered stent, 816
interrupted thromboprophylaxis, thromboembolism risk and, 19
intracranial hypertension and cerebral hypoperfusion, biomarkers, 1096
low-risk patients, identification of, E101
mild, diagnosis of, 554
prehospital care, fluid resuscitation, S32
safety of thromboembolism prophylaxis, trauma patients, 324
severe
brain trauma index in, 547
combat *versus* civilian counterparts, 11, 762
socioethnic factors after, 527
tertiary hospital, after Sichuan earthquake, E108
time to care, clinical guideline, 1134
ventriculosotmy placement, INR and hemorrhage relations, 1112 Triage
field, evaluation of National Trauma Triage Protocol, 38
out-of-hospital decision making, trauma systems, 1345
to regional acute care center, 116
Triblock copolymer, for muscular edema, after tourniquet-induced ischemia-reperfusion, 1192
Tumor necrosis factor (TNF), gene polymorphism, outcome in trauma patients and, 954

Ubiquitin, effect on immune response, controlled cortical impact injury, 1104
Ulnar artery, distal cutaneous branch, flap based on, E93
Ultrasonography
bedside, complications of central venous catheter insertion, 1561
duplex, for DVT in asymptomatic trauma patients, 27
intraoperative, after decompressive surgery for hematoma, letter, 1578
low-intensity pulsed, healing of bone chip grafts on spinal fusion, 863
obstetric, pelvic free fluid in suspicion of intra-abdominal injury and, 1420
Unintentional death, firearm fatalities, cross-sectional analysis of the world, 238

Vagal nerve stimulation, postinjury, intestinal epithelial barrier breakdown, 1168
Valproic acid, resuscitation strategies, swine polytrauma model, 636
Vancomycin, bone cell delivery and, collagen composite system, 1503
Varicocele, secondary to giant posttraumatic hepatic cyst, image of trauma, E53
Vascular endothelial growth factor (VEGF)
changes, angiogenesis after TBI, 1480
repair, femoral head necrosis, 1519
Vascular injury
crossroads, 1291
extremity, CT angiography for, 808
pediatric, management and early outcome, 823
temporary shunts, endothelial injury and, mesenteric artery, 1464
Vascular shunting, temporary, arm replantation, 1002
Venous thromboembolism (VTE)
coagulopathic patients, SICU, 1398
lower extremity fracture, early fixation effects, 1381
Ventilation, airway pressure release, pulmonary contusion patients, 42



© 2011 Lippincott Williams & Wilkins

Ventriculostomy, placement, INR and hemorrhage relations, 1112
Vertigo, benign paroxysmal positional, after TBI, treatment, 442
Violence. *see also* Domestic violence
  firearm fatalities, cross-sectional analysis of the world, 238
  intimate partner, screening in the female patient, 320
Volar locking plate osteosynthesis, distal radial fractures, 1510
Volume replacement, crystalloids, use in combat casualty care, S17
Volume responsiveness, definition, central venous oxygen saturation, 802, 1014(letter)
Vulnerable families, injury and health in children, 1539

Warfarin, intracranial hemorrhage and, mild head injury patients, 906
Wartime injury. *see* Combat casualty care
Western Trauma Association (WTA)
  Critical Decisions in Trauma, peripheral vascular injury, 1551
  enteric injury management, 273
  presidential address, 267
Wounds and injuries
  blunt thoracic trauma, autopsy study, 197
  gunshot (*see* Gunshot wounds)
  limb salvage, combat *versus* civilian tibia fractures, 1241
  stab, nonoperative management, 408
Wrist injury, external fixation, hydroxyapatite-coated *versus* titanium pins, 845

© 2011 Lippincott Williams & Wilkins

# AUTHOR INDEX, VOLUME 70


Aarabi, Bizhan, 554, 1096
Abbasi, Hamidreza, 1580
Abdel-Gawad, Ehab A., 262
Abdelgawad, Amr A., 1568
Aboutanos, Michel B., 829
Abou-Zeid, Hicham, 1014
Ackroyd-Stolarz, Stacy, 1134
Adams, Raeanne C., 1066
Adams Jr., Charles A., 527
Adler, Federico, 1186
Agarwal, Kanupriya, 1012
Agarwal, Shalini, 1012
Agarwal, Suresh, E42
Agostino, Ognibene, 906
Ahn, Seong-Ki, 442
Ahvenjarvi, Lauri, 183
Akbar, Michael, 1078
Akgul, Emin Ozgur, 717
Ala-Kokko, Tero, 183
Alam, Hasan B., 636, 664
Alarcon, Louis H., 278
Albadawi, Hassan, 103
Albrecht, Daniel, 358
Albrecht, Roxie, 996
Albrecht, Roxie M., 120, 1118
Aldy, Kim N., 705
Aliev, Elchan, 1234
Alkadi, Azzam, 760
Almogy, Gidon, 1546
Al-Senan, Rani, 724
Althaus, Astrid, 433
Altman, Gregory T., 1294
Alvidrez, Jennifer, 1337
Alzate, Walter D., 1043
Amling, Michael, 154, 857, E62
Anand, Rahul J., 56
Anavian, Jack, 1263
Anderson, James S., 345
Anderson, John P., 923
Anderson, Ross, 646
Antonio, Dell'Acqua, 447
Aouad, Rony, E98
Archer-Swygert, Kristin, 910
Arhinful, Enoch, 616
Aristomenis, Exadaktylos, 766
Arnson, Yoav, 1234
Arvieux, Catherine, 1032
Ashley, Dennis W., 1485
Ashraf, Asma, 1429
Atkins, Marvin D., 103
Atkinson, Jeff, 873
Auffarth, Alexander, 1257
Austen Jr., William G., 103
Avtgis, Theodore A., 315
Ayalon, Moshe, 1234
Azzena, Bruno, 459

Bach, Harold Gregory, 169
Bahten, Luiz Carlos Von, E122
Baird, Andrew, 1168
Bak, Zoltan, 959
Baker, Richard A., E1
Baker, Susan P., 991
Baker, Timothy D., 991
Bala, Miklosh, 1546
Balcık, B. Cenk, E84
Ball, Chad G., 330, 522, 1579
Balogh, Zsolt J., 352
Banfield, Joanne M., 732
Bankey, Paul E., 38, 310
Banner, Claus, 1524
Bansal, Vishal, 65, 1019, 1168, 1241
Baraza, Njalalle, E125
Barbarino, Raffaella, 174
Bargues, Laurent, 1013
Barmparas, Galinos, 141, 174, 197, 765, 1229
Barmparas, Gallinos, 11
Barnajian, Moshe, 398, 1141
Barnes, Stephen L., 1019
Barnett Jr., Carlton C., 401
Bar-Or, David, 19
Barvencik, Florian, 154, 857
Basbozkurt, Mustafa, 717
Bastos Pedrosa, Ana Filipa, 498
Bauer, David F., 1112
Baumann, Tobias, 900
Bauzá, Graciela, 948
Bayer, Jörg, 900, 1016
Beall, Dawson, 1408
Beat, Schnüriger, 766
Beil, Britta, 154, 857
Beil, Frank Timo, 154, 857
Bellolio, M. Fernanda, 1362
Belzberg, Howard, 603
Bendjelid, Karim, 802, 1015
Ben-Galim, Peleg, 247
Ben-Sira, David, 1234
Bernard, Andrew C., 590
Berry, Stepheny D., 391
Best, Charles, 1229
Betsch, Marcel, 832
Bevan, Catherine, 1532
Bhavsar, Premal, 320
Biancofiore, Gianni, 1302
Bierbaum, Christine, 433
Biffl, Walter L., 334, 401
Bilello, John F., 1038
Bilgic, Serkan, 717
Billiar, Timothy R., 278, 292, 1381
Bindi, Maria Lucia, 1302
Blackbourne, Lorne, 11
Blaivas, Michael, 760
Blanke, Philipp, 900
Bochicchio, Grant V., 56, 1096, 1408
Boer, Christa, 611
Boffard, Kenneth D., 524
Bogner, Robert, 1257
Bokhari, S. A. Jamal, 894
Bolandparvaz, Shahram, 264, 523, 1580
Bonadies, John A., 751
Bonatti, Hugo, 262
Bonjer, H. Jaap, 1301
Boopalan, Palapattu R. J. V. C., 710
Bouillon, Bertil, 81, 433
Bowling, William M., 701
Bradburn, Eric H., 97, 391
Bradford, Anna N., 1557
Bradley III, Joel F., 46
Bramos, Athanasios, 636
Branco, Bernardino C., 111, 808, 870, 1366
Branco, Bernardino Castelo, 765, 1424
Brandes, Steven, 1299
Brasel, Karen, 1331
Brasel, Karen J., 1051
Braumüller, Sonja T., 189
Braun, Maximilian, 81
Breederveld, Roelf S., 611
Brenneman, Frederick, 732
Brewer, Edward S., E1
Brewster, Mark, E125
Brink, Monique, 1016
Brohi, Karim, 90
Broome, Guy, 838
Browder, Timothy D., 334
Brown, Carlos, 1437
Brown, Carlos V. R., 1019
Brown, Joshua B., 38, 310
Brown, Robert, E24
Brückner, Uwe B., 189
Brunetti, Marissa A., E24
Bruns, Brandon R., 1019
Buckley, Jill C., 35
Budorick, Nancy E., 1420
Buksbaum, Chen, 1234
Bukur, Marko, 111, 1229
Burke, Peter A., 948
Burlew, C. Clay, 401
Burlew, Clay C., 334
Burlew, Clay Cothren, 273
Burtscher, Martin, 1017
Buterakos, Roxanne, 701
Butt, Warwick, 1532
Bynoe, Raymond, 46
Byun, Young-Soo, E19

Cabrales, Pedro, 787
Cachecho, Riad, 751
Cairns, Bruce A., 681
Calland, James F., 262
Callaway, Clifton, 782
Callcut, Rachael A., 794
Calvo, Richard Y., 560
Cameron, Peter A., 1532
Cancio, Leopoldo C., 11
Capdevila, Xavier, 1219
Carey, Timothy, 873
Carlini, Anthony R., 1557
Carr, John Alfred, 701
Carrick, Matthew M., 652
Carroll, Elizabeth A., 705
Casalis, Pablo A., 1104
Casey, Gregory, 701
Castañeda-Hernández, Gilberto, 1198
Castillo, Jose-Luis, 782
Castillo, Renan C., 1557
Cayci, Tuncer, 717
Cekli, Yavuz, 717
Cestero, Ramon, 111, 141
Cha, Tai-Lung, 1577
Chan, Err-Cheng, 1503
Chan, Linda S., 252, 1424
Chang, Annice, 1128
Chang, Chih-Hung, 1268
Chang, David C., 27, 130, 978
Chang, Michael C., 1317
Chang, Shun-Cheng, 148

Charbit, Jonathan, 1219
Chardon, Patrick, 1219
Chatpun, Surapong, 787
Chen, Chaw-Wen, 765
Chen, Chien-Tzung, 228
Chen, Chih-Hao, 228
Chen, Jian-Chih, 755
Chen, Jing, E108
Chen, Jyh-Ping, 228
Chen, Ke-Hong, 954
Chen, Kuei-Tien, 1503
Chen, Kuo-Tai, 1358
Chen, Lih-Huei, 1495
Chen, Lih-Hui, 863
Chen, Shih-Yi, 148
Chen, Shin-Chieh, E37
Chen, Shyi-Gen, 148
Chen, Wei-Liang, E54
Chen, Wen-Jer, 863, 1495
Chen, Xiuling, 1213
Chen, Yao, 1032
Chen, Yi-Chun, 472
Chen, Ying-Chih, 1578
Cheng, Ching-Hsiao, 1579
Cheng, Dasheng, E55
Cheng, Julius D., 38, 310
Cheng, Yuan-Chia, 265
Cheng, Yuh-Min, 755
Cheng, Yu-Lung, E99
Cheung, F. C., 1128
Cheung, Lim Kwong, E117
Childs, Ed W., 481
Ching, Jessica A., 1564
Chio, Chung-Ching, 885
Chiu, Chong-Chi, 220
Cho, S. David, 646
Choi, Goda, 1389
Chong, Mark, 838
Chong, Wei, 636
Chou, Chih-Ming, 220
Chou, Erh-Kang, E74
Choudhry, Muhammad, 1005
Christensen, Michael C., 1524
Christiaans, Herman M., 1301
Christie III, D. Benjamin, 1485
Christy, Robert J., 1192
Chu, Shi-Jye, E99
Chu, Tong-wei, 1519
Chun, Jae-Myeung, E88
Chung, Seen, 873
Cioffi, William G., 527
Claridge, Jeffrey A., 345
Clarke, David B., 1134
Claudia, Casula, 906
Claudia, Ranalli, 906
Clond, Morgan A., 398, 1141
Coates, Amy, 90
Cocanour, Christine S., 1551
Cochran, Gerald, 1437
Codner, Panna, 273
Cogbill, Thomas H., 769
Cohen, Robin, 554
Cohn, Stephen M., 724
Coimbra, Raul, 65, 334, 923, 1019, 1026, 1168, 1241
Cole, John, 11
Cole, Peter A., 1263, 1294
Collier, Bryan, 116
Collier, Bryan R., 510, 595
Combescure, Christophe, 802
Como, John J., 345
Condon, Michael, 489
Connelly, Luke, 1086
Connolly, Michael D., 527
Conrad, Bryan P., 1282
Conrad, Mark F., 103
Cooney, Robert N., 1208
Coopwood Jr., Thomas B., 1019
Copeland, Craig, 701
Corneille, Michael G., 724, 823
Cornwell 3rd, Edward E., 27
Cornwell III, Edward E., 978
Costa, Matthew L., E125
Cotton, Bryan A., 1066, 1429
Cove, Richard, 1578
Cowan, Linda D., 120, 1118
Cowgill, Ian, 1273
Cox Jr., Charles S., 1471
Craig, Teresa, 466
Crandall, Marie, 1539
Crane, Ian, 985, 1337
Crawford, Robert S., 103
Creery, David, 873
Crevier, Louis, 873
Croce, Martin A., 97, 285, 391, 1058
Cronin, Duane, E29
Crowell, Kody, 273
Culemann, Ulf, 244
Cullinane, Daniel C., 616
Curry, Nicola, 90
Cuschieri, Joseph, 273, 292

Daley, Brian J., 452
Daniela, Buhl, 766
Davenport, Daniel L., 590
Davenport, Ross, 90
David, Carlos A., E1
Davidson, Mario A., 324
Davies, Gareth E., E75
Davies, John E., 1248
Davis, James W., 626, 996, 1038, 1551
Davis, Kimberly A., 264, 428, 894
Daya, Mohamud, 1345
de Armenta, María José Rodríguez, 1072
De'Ath, Henry, 90
De Castro, Gerard P., 1408
DeCato, Thomas, 1381
Deckelbaum, Dan L., 136
Dedek, Tomas, 523
Deitch, Edwin A., 489, 630
Dekke, Helena M., 1016
de Lange, Frank, 1016
Demetriades, Demetrios, 111, 141, 174, 197, 252, 408, 603, 765, 808, 870, 1229, 1366, 1424
Demirors, Huseyin, E84
Demlow, Thomas, 1300
deMoya, Marc, 664
de Moya, Marc A., 1019
Dent, Daniel L., 724, 823
de Oliveira-Junior, Nelson, E122
Determann, Rogier M., 1389
De Toni, Luca, 459
DGU, the Trauma Registry of, 81
Dhanani, Sonny, 873
Diamond, Beverly, 1273
Diao, Yunfeng, 1480
Diaz, Emili, 1145
Diaz, Jose J., 595
Diaz Jr., Jose' J., 510
Diaz Jr., Jose J., 116
Dicker, Rochelle A., 334, 985, 1337
DiCocco, Jennifer M., 285, 1058
Diebel, Lawrence N., 421, 691
Dietrich, Michael, 1510
Differding, Jerome A., 1413
Ding, Weiwei, 775, 1464
DiPaola, Christian P., 1282
Dirks, Peter, 873
Dischinger, Patricia C., 299
Dobson, Geoffrey P., 1444
Donat, Nicolas, 1013
Dong, Jingfei, 1480
Dorlac, Warren C., 751
Dossett, Lesly A., 1066
Doucet, Danielle, 630
Doucet, Jay, 65
Doucet, Jay J., 1241
Dougherty, Amber L., 1241
Dougherty, Stacy D., 1317
Downing, Stephanie R., 130
Driscoll, Ian R., 1408
Du, Ding-Yuan, 954
Du, Shi-Xin, E93
Duan, Zhao-Xia, 954
Duane, Therèse M., 829
Dubick, Michael A., 1192
DuBose, Joseph J., 11, 174
Duggan, Michael, 636, 664
Duncan, Robert C., 1371
Dunn, Christopher W., 931
Dunning, Cynthia E., E13
Durante, William, 466
Durusu, Murat, 717
Dutton, Richard, 524
Dutton, Richard P., 547, 554
Dye, Judy, 1241

Eastman, Alexander L., 705
Eastridge, Brian, 11
Eberle, Barbara M., 141, 603
Ebraheim, Nabil A., 169
Edavettal, Mathew, 1354
Edmonds, Rebecca D., 292
Edwards, Meghan, 1398
Edwards, Michael J. R., 1016
Efron, David T., 27, 583, 978
Efron, Jonathan E., 583
Egbalieh, Babak, 1038
Eichler, Christian, 832

© 2011 Lippincott Williams & Wilkins

Eken, Torsten, 569
Elgafy, Hossein, 169
ElHassan, Ihab O., 1043
Eliceiri, Brian, 1168
Ely, E. Wesley, 910
Emmett, Katrina, 285
Emmett, Katrina P., 1058
Enderson, Blaine, 452
Engel, Alexander F., E67
Enninghorst, Natalie, 352
Erdman, Meghan, 1273
Erli, Hans J., 433
Eshraghian, Armaghan, 264
Esposito, Thomas J., 970
Esquivel-Aguilar, Abdieel, 1198
Evans, Tracy, 1354

Fabbri, Andrea, E79
Fabian, Timothy C., 97, 285, 391, 1026, 1058
Fan, Cun-Yi, 373
Fann, Stephen A., 46
Farmer, Elizabeth A., 46
Fazelzadeh, Afsoon, 1580
Feinstein, Ara J., 136
Feketova, Eleonora, 489
Felder, Seth, 1398
Feliciano, David V., 330, 1551
Fenerty, Lynne, 1134
Ferrada, Paula, 56
Field, Craig Andrew, 1437
Figl, Markus, 852
Figueroa, Reinaldo, 1420
Fikry, Karim, 636, 664
Fink, Mitchell P., 103
Finkelstein, Robert A., 664
Fischer, Peter E., 97, 391
Fischer, Thomas H., 664
Flacke, Sebastain, E1
Fleurat, Jonathan, 408
Foo, Ning-Ping, 1358
Forberger, Jens, 1510
Foresta, Carlo, 459
Forman, Dana, 626
Forsythe, Raquel M., 278, 1381
Fortlage, Dale, 65, 1241
Fouche, Yvette, 554
Foulkrod, Kelli, 1437
Fowler, James, 622
Franco-Bourland, Rebecca E., 1198
Frankel, Heidi, 1208
Frankel, Heidi L., 415, 1561
Fredrikson, Mats, 959
Fu, Jian-jun, 1519
Fu, Ju-Peng, 148
Fujii, Kiyotaka, 180
Fukudome, Eugene, 664
Fukudome, Eugene Y., 636
Funk, Geoffrey A., 705
Fürstenberg, Carl Hans, 1078
Fusco, Cynthia, 273

Gaarder, Christine, 569
Gabbe, Belinda J., 1532
Galarneau, Michael R., 1241
Gallup, Theresa M., 823
Gamanagatti, Shivanand, 1576
Gao, Chengjin, 210
Gao, Guishan, E6
García-Altés, Anna, 744
Garwe, Tabitha, 120, 1118
Gayet-Ageron, Angèle, 802
Gayton, J. Christopher, 1279
Gazala, Mahmoud Abu, 1546
Ge, Shengde, E55
Gebauer, Matthias, 154, 857
Gebhard, Florian, 189
Geeraedts Jr., Leo M., 1301
Genovesi, Igande P. Oñorbe, E67
George, James F., 939
George, Richard L., 1112
Georgiou, Chrysanthos, 197
Georgoff, Patrick, 535
Gerner, Hans Jürgen, 1078
Gerstenfeld, Louis C., 948
Gestring, Mark L., 38, 310
Gillman, Lawrence M., 760
Giraud, Raphael, 802, 1015
Glas, Afina S., E67
Glass, Ericka R., 1294
Glazier, Robert, 965
Gloria, Licini, 447
Goelz, Leonie, 1104
Gohil, Milesh, E125
Gomez, David, 575
Gomez, Gerardo A., 522
Gomez, Manuel, 732
Gomez-Rodriguez, Juan Carlos, 1371
Gong, Dasen, 1480
Gong, Guanwen, 775
Gonzalez, Ernest A., 334
Gonzalez, Richard P., 705
Gorman, Kyle, 1345
Goslar, Pamela W., 1019
Goslings, Carel, 1301
Goyal, Manish, E73
Grant, Vincent, 873
Gras, Florian, 244
Greeley, Gillian S., E13
Green, Donald, 808
Green, Donald J., 111
Green, Michael, 939
Green, Parmis, 939
Greene, Wendy R., 130
Gregg, Shea C., 527
Greiner, Axel, 845
Greller, Howard A., 263
Greuters, Sjoerd, 1301
Grieser, Thomas, 1078
Griffet, Jacques, 377
Griffin, Russell L., 384
Groom, Tammi, 1038
Grossterlinden, Lars, E62
Group, the WTA Study, 273, 334
Groven, Sigrid, 569
Gu, Bin-Xian, 816
Gu, Wei, 954
Gubler, Dean, 1345
Gueorguiev, Boyko, 358
Guillamondegui, Oscar, 324
Guillamondegui, Oscar D., 910
Guízar-Sahagún, Gabriel, 1198
Gunter, Oliver, 116
Gunter, Oliver L., 510, 595
Guo, How-Ran, 1358
Guo, Wenli, 1489
Guo, Xinbin, 1480
Guyette, Francis, 782

Haack, Sara A., 991
Haan, James, 273
Haan, James M., 1019
Haas, Barbara, 575
Haddad, Amine, E98
Haddad, Fadia, 1014
Hageny, Ann-Marie, 1168
Hagspiel, Klaus D., 262
Haider, Adil H., 27, 130, 583, 978
Hakimi, Mohssen, 832
Ham, L. Bruce, 646
Hamilton, Gregory J., 646, 1413
Hammer, Thorsten, 900
Hamwi, Kristopher, 664
Hamwi, Kristopher B., 636
Han, Peggy P., 923
Hanci, Vokan, 717
Hancock, B. J., 873
Hannoush, Edward J., 1043
Hanseman, Dennis J., 794
Hanson, Jean, 1273
Hao, Mu, 1480
Harbrecht, Brian G., 292
Harrington, David T., 527
Harrison, Paul B., 273
Hartford, Diane, 970
Harting, Matthew T., 1471
Hartwell, Elizabeth, 71
Hatab, Mustapha, 724
Hatch, Quinton M., 1429
Hathaway, Donna K., 285
Hauser, Carl J., 524
Haut, Elliott, 510
Haut, Elliott R., 27, 583, 978
Havel, Eduard, 523
Hayashi, Allen, 873
Hayek, Toni, 377
Hayward III, Thomas, 522
He, Qiang, 1213
Hedges, Jerris R., 1345
Heffernan, Daithi S., 527
Heinz, Zimmermann, 766
Helseth, Eirik, E56
Hemenway, David, 238
Hemmila, Mark R., 575
Herndon, Betty, 1186
Hess, John R., 547, 1408
Hetsroni, Iftach, 1234
Hewitt, Lisa N., 320
Hildreth, Amy, 510
Hildreth, Amy N., 1317



© 2011 Lippincott Williams & Wilkins

Hillyer, Christopher D., 1401
Hipp, John A., 247
Hirani, Salman A., 583
Hirotsu, Ichiro, 1453
Hitzl, Wolfgang, 1257
Ho, H. F., 1128
Ho, Shiu M., 299
Ho, Wendy, 1128
Hoeft, Christopher, 27
Hofbauer, Marcus, 852
Hoff, William S., 751, 1019
Hoffman, Jordan, 507
Hofstra, Jorrit J., 1389
Holbrook, Troy Lisa, 923
Holcomb, John B., 71, 1429
Holevar, Michelle, 510
Hollingsworth-Fridlund, Peggy, 1241
Holmes, James F., 1304, E101
Holmes IV, James H., 1317
Hong, Hui-Shuan, E37
Hong, Seok Min, E38
Horodyski, MaryBeth, 1282
Horst, Michael, 1354
Hoth, J. Jason, 1317
Housseini, Ahmed M., 262
Howes, Daniel William, 1304
Hoyt, David B., 923
Hsiao, Cheng-Wen, E53
Hsieh, Ching-Hua, 472
Hsieh, Chung-Bao, 261
Hsieh, Ming-Shium, 220
Hsu, Chung-Chen, 736
Hsu, Huan-Ming, 261
Hsu, June, 1408
Hsu, Kuo-Feng, 261, 761, E53, E100
Hu, Chao-Kai, 1578
Hu, Charles K. C., 1019
Hu, Peter, 547
Hu, Xu, 1519
Huan, Jingning, 210
Huang, Abel Po-Hao, 1578
Huang, Bo-Wei, 761, E100
Huang, Ching Chang, 1577
Huang, Chun-Jen, 1177
Huang, Jau-Wen, 1495
Huang, Peng-Ju, 755
Huang, Po-Wei, 1577
Huang, Sheng-Jean, 1578
Hui, S. M., 1128
Hull, Peter, E125
Hung-Chang, 761
Hunt, Joshua J., 352
Hunter, Felicia A., 481
Hur, Dong Gu, 442
Hussain, Zareena J., 1420

Ignatius, Anita, 857
II, Glenn R. Rechtine, 1282
II, Trenton M. Gause, 1294
Imbrogno, Brian F., 1279
Inaba, Kenji, 11, 111, 141, 174, 197, 252, 334, 603, 765, 808, 870, 1229, 1366, 1424
Investigators, The Inflammation the Host Response to Injury, 292
Isenberg, Yonatan, 1546
Ishimaru, Daichi, E48
Ivatury, Rao R., 829

Jabbour, Khalil, 1014
Jackson, James C., 910
Jaggard, Matthew K. J., 1005
James, Adelbert B., 1401
Jan, Woan-Ching, 1177
Jana, Manisha, 1576
Janson, Lisa, 701
Janssen, Christian, 433
Jartti, Airi, 183
Jeng, Seng-Feng, 472
Jenifer, Jacqueline, 130
Jenkins, Donald, 616
Jenkins, Judith M., 595
Jeon, Sea-Yuong, 442
Ji, Wu, 1464
Jiang, Dong-Po, 954
Jiang, Jian-Xin, 954
Job Jr., Priscila M., E122
Johal, Navroop S., 1005
Johannigman, Jay A., 794
Johari, Hamed Ghoddusi, 1303
Johari, Hamed Ghodusi, 523
Johnson, Dirk C., 428
Johnson, Fruzsina K., 466
Johnson, Jeffrey L., 401
Johnson, Robert A., 466
Jones, John J., 103
Jones, Mark A., 46
Jones, Rose, 263
Jui, Jonathan, 1345
Jungbluth, Pascal, 832
Jurkovich, Gregory J., 273

Kadon, Kurt S., 794
Kahraman, Sibel, 547
Kald fir fim, Umit, 717
Kallies, Kara J., 769
Kaltenhauser, Felicitas, 845
Kam, C. W., 1128
Kampp, Michael, 1345
Kan, Shinichi, 180
Kang, Zhimin, 1213
Kanlic, Enes M., 1568
Kao, Cheng-Hsing, 885
Kao, Lillian S., 672
Kaplan, Lewis J., 428, 894, 1203
Kappel, David A., 315
Karadeniz, Emre, E84
Karim, Saleema A., 1134
Karlbauer, Alois, 1286
Karmy-Jones, M. Alan Martin and Riyad, 521
Karmy-Jones, Riyad, 1300
Karmy-Jones, Riyad C., 1019
Karpik, Stefanie, 1257
Kaseje, Neema, 948
Kashuk, Jeffery L., 401
Kashuk, Jeffry L., 415
Kato, Catherine M., 273
Kaups, Krista L., 273, 334, 1038
Kaye, Deborah, 1051
Kearney, Paul A., 590
Keledjian, Kaspar, 1096
Kelley, Dorothy M., 560
Kempe, Kelly, 507
Keorochana, Gun, 863
Kerby, Jeffrey D., 384
Khan, Ejaz S., 939
Kheirbek, Tareq, 664
Kim, Dae-Woo, 442
Kim, Hee-June, E19
Kim, Jin-Pyeong, 442
Kim, Jin-Yong, 442
Kim, Joon-Woo, E19
Kim, Kyuseok, 636
Kim, Soung-Yon, E88
Kimura, Soichiro, 1453
Kinner, Bernd, 159
Kirklin, James K., 939
Kirkpatrick, Andrew W., 760
Kiss, Alex, 732
Kitahara, Takao, 180
Knape, Paul, 611, 1389
Knöferl, Markus W., 189
Knudson, M. Margaret, 334, 1337
Ko, Tien, 71
Kobayashi, Jun, 1453
Kobayashi, Leslie, 141, 765, 870
Koca, Kenan, 717
Koci, Jaromir, 523
Koebke, Jürgen, 832
Koehler, Daniel M., 324
Koenig, Karl, 1345
Kofler, James M., 1362
Koivukangas, Vesa, 183
Konstantinidis, Agathoklis, 252
Kopp, Martin, 1017
Kostousov, Vadim, 71
Kozar, Rosemary, 71
Kozar, Rosemary A., 1026, 1429, 1551
Kozloff, Matthew S., 527
Krage, Ralf, 1301
Kralovich, Kurt A., 701
Kreniske, Phil, 1337
Krzyzaniak, Michael, 1168
Kufera, Joseph A., 299, 1096
Kuhls, Deborah A., 996
Kumar, Atin, 1576
Kuo, Liang-Chi, 265, 765
Kuzyk, Paul R. T., 1248
Kwon, Oh-Jin, 442

Laack, Nadia N. Issa, 1362
Laack, Torrey A., 1362
Lador, Ran, 247
Lai, Albert, 1128
Lai, Po-Liang, 863
Lam, K. W., 1128
Lam, Lydia, 111, 174, 765, 808, 870, 1229, 1424
Lancerotto, Luca, 459

© 2011 Lippincott Williams & Wilkins

Lang, Jennifer L., 705
Langmoen Iver A., E56
Lankachandra, Kamani, 1186
Lattmann, Thomas, 1510
Laurila, Jouko, 183
Lauron, Jerome, 377
Laveaux, Margot, 1301
Lawson, Christy M., 452
Leder, Steven B., 1203
Lederer, Stefan, 1257
Ledgerwood, Anna M., 421
Lee, Chun-Yi, 1177
Lee, Jan, 1345
Lee, Jeanne, 65
Lee, Jeanne G., 1241
Lee, John C., 1354
Lee, Jun Ho, E38
Lee, Kai, 1366
Lee, Marlon, 630
Lee, Mel S., 1503
Lee, Ok Joo, E38
Lee, Shih-Chun, 761
Lee, Vernon N., 710
Lee, Wei-Che, 265, 764, 765
Lee, Yao-Chou, 1002
Lefering, Rolf, 81, 433, 1524
Lehmann, Wolfgang, E62
Leixnering, Martin, 852
Lemaster, Deborah, 626, 1038
LeRoux, Peter D., 535
Leroux, Julien, 377
Letarte, Peter B., 1575
Letoublon, Christian, 1032
Letourneau, Phillip, 71
Letson, Hayley L., 1444
Letton Jr., Robert W., 767
Leukhardt, William H., 345
Leung, Gilberto Ka Kit, 1128
Leung, M., 1128
Levi, Marcel, 1389
Levy, A. Stewart, 19
Ley, Eric, 1398
Ley, Eric J., 398, 1141
Li, Chenglin, 203
Li, Feng-Feng, 373
Li, Guisen, 1213
Li, Hengyu, E55
Li, Jieshou, 775, 1464
Li, Min, 816
Li, Ming-Hua, 816
Li, Moon, 1337
Li, Ning, 1464
Li, Qiang, E108
Li, Rongrong, 210
Li, Ru, 1248
Li, Wei, 210
Li, Xue-Dong, E93
Li, Yong-Dong, 816
Liao, Changzhi, 1213
Liao, Han-Tsung, 228
Liao, Jen-Chung, 863
Liao, Yu-Ying, 1358
Liberati, David M., 691
Liberman, Rebecca F., E1
Lidor, Anne O., 583
Liener, Ulrich C., 189
Lim, George, 1366
Lin, Cheng-Hung, 736
Lin, Chia-Jung, 472
Lin, Chih-Hung, 736
Lin, Chih-Yuan, E100
Lin, Hsing-Lin, 265, 764, 765
Lin, Hung-Jung, 1358
Lin, Mao-Tsun, 885
Lin, Song-Shu, 1495, 1503
Lin, Teh-Ko, 1578
Lin, Tsung-Ying, 764
Lin, Yen-Yue, E37, E99
Lin, Yu-Te, 736
Lindell, Allison, 1096
Link, Renee, 701
Lisboa, Thiago, 1145
Lischuk, Andrew W., 894
Liscum, Kathleen R., 652
Liu, Dong-Xin, E93
Liu, Hsin-Hua, 1268
Liu, Li, 1480
Liu, Qing, 954
Liu, S. H., 1128
Liu, Shen, 373
Liu, Shih-Jung, 1495, 1503
Liu, Yu-gang, 1519
Livingston, David H., 334, 1043
Livingston, Ryan, 523
Livingstone, Alan S., 51
Lo, C. B., 1128
Locke, Paul, E24
Lockey, David J., E75
Lockhart, Philip, E29
Loer, Stephan A., 1301
Lohchab, Shamsher S., 1012
Lome, Barbara R., 560
London, Jason A., 931
Loomis, William, 1168
Lopez, Dahianna, 1337
Lopez, Dahianna S., 985
Lottenberg, Lawrence, 1019
Lovald, Scott, 1273
Lu, Cheng-Chang, 755
Lu, Jennifer, 636
Lu, Qi, 630
Lu, Tsu-Hsiang, 472
Lu, Yu-Hui, 1358
Lucas, Charles E., 421
Lui, Felix Y., 894
Luigi, Beretta, 447
Lundgren, Jessica A., 1208
Lustenberger, Thomas, 252, 765, 870
Lv, Kaiyang, E55
Lynch, Frank C., 1208

Ma, Li, E117
Machan, Jason T., 527
Machiedo, George W., 489
Mackenzie, Ellen J., 1557
Mackersie, Robert C., 267
Mackie, Dave P., 1389
Mackie, David. P., 611
MacLeod, Jana B., 1401
MacNew, Heather, 273
MacPhee, Martin J., 1408
Madan, Atul K., 136
Madi-Jebara, Samia, 1014
Madrazo, Ignacio, 1198
Maegele, Marc, 81
Magagna, Sabina, 459
Maged, Ismaeel M., 262
Magnotti, Louis J., 97, 285, 391
Magu, Sarita, 1012
Mah, Jennifer, 1337
Mahadeva, Dhirendra, 838
Mahesh, Mahadevappa, E24
Mai, Chen-Ming, E53
Maier, Ronald V., 292
Maile, Robert, 681
Mains, Charles W., 19
Malhotra, Ajai K., 334, 829
Maloney-Wilensky, Eileen, 535
Mann, Gideon, 1234
Mann, N. Clay, 970
Manning, Benjamin, 622
Manning, Ronald J., 1371
Manson, Joanna, 90
Manzanera, Jonathan, 1219
Marchesini, Giulio, E79
Marco, Gemma, 447
Margulies, Daniel R., 1398
Margulies, Dan R., 398
Marintschev Ivan, 244
Markel, Troy, 522
Markert, James M., 1112
Marshall, Gary T., 278, 1381
Martin, Matthew M., 315
Martin, R. Shayn, 1317
Martínez-Cruz, Angelina, 1198
Martínez-González, Miguel A., 1072
Martín-Loeches, Ignacio, 1145
Martin-Ross, Amber, 939
Mase Jr., Vincent J., 1192
Mason, Leonard, 489
Massarwe, Sabri, 1234
Matar, Nayla, E98
Mathiason, Michelle A., 769
Matijevic, Nena, 71
Matis, Nicholas, 1257
Matsushima, Kazuhide, 415, 1208, 1561
Matthews, Marc R., 1019
Mattox, Kenneth L., 652, 1291
Mauffrey, Cyril, E125
Maung, Adrian, 894
Maung, Adrian A., 428
Max, Wendy, 985
Mayberry, John, 510
Mayer, Hylton, 965
Mayer, Michael, 1257
Mayglothling, Julie, 829
Mazzoleni, Francesco, 459
McAninch, Jack W., 35
McDougall, Debra, 352



© 2011 Lippincott Williams & Wilkins

McGillicuddy, Edward A., 894
McGwin Jr., Gerald, 384, 1112
McIff, Terence E., 1186
McIntyre Jr., Robert C., 1551
McKenney, Mark G., 136
McKenney, Mark M., 51
McKinley, Bruce A., 672, 1153
McLachlin, Stewart D., E13
Mehta, Vivek, 873
Meier, Christoph, 1510
Melkane, Antoine, E98
Melton, Sherry M., 1112
Menaker, Jay, 1096
Menza, Rebecca, 1337
Mercer, David W., 1471
Mercer, Deana, 1273
Meredith, J. Wayne, 334, 1317
Meyer, Anthony A., 681
Mi, Xu, 203
Miccoli, Mario, 1302
Michalek, Joel E., 724
Michlits, Wolfgang, 1286
Mikrogianakis, Angelo, 873
Miller, Glenn, 948
Miller, Jay A. Requarth and Preston R., 366
Miller, Preston R., 1317
Millet, Ingrid, 1219
Min, Woo-Kie, E19
Minei, Joseph P., 292
Mintz, Ayelet, 1546
Mirocha, James, 398, 1141, 1398
Mirvis, Stuart E., 1011
Misch, Martin, 1104
Mock, Charles, 1307
Moerman, Jacob R., 1485
Mohr, Alicia M., 1043
Mohseni, Shahin, 1424
Mok, Francis, 1128
Molteni, Agostino, 1186
Monaghan, Sean F., 527
Monnin, Valerie, 1032
Montaser, Anoosh, E73
Moore, Ernest E., 273, 292, 334, 401, 1551
Moore, Forrest O., 1019
Moore, Frederick A., 672, 1153, 1551
Moore, Laura J., 672, 1153
Moore, Megan, 1337
Morimoto, Yasunori, 1453
Morlock, Michael, E62
Morra, Irene, 1032
Morris, Stephen, 1524
Morris Jr., John A., 116, 595
Morrison, C. Anne, 652
Moutran, Homere, E98
Mowery, Nathan T., 510, 1317
Mueller, Deborah L., 724
Mueller, Dirk, 433
Muensterer, Oliver J., 265
Mulder, Jan-Willem R., E67
Müller, Franz, 159
Mumme, Marcus, 154
Murata, Isamu, 1453
Murdock, Karen R., 1096
Murthi, Sarah, 56
Myers, Adrianne L., 97
Myers, John G., 466, 724, 823

Nabaweesi, Rosemary, E24
Naess, Paal Aksel, 569
Nair, Sunil, E42
Nakahara, Kuniaki, 180
Nassar, Michel, E98
Nathens, Avery B., 27, 575
Nawashiro, Hiroshi, 1014, 1303
Neal, Matthew D., 278
Neal, Melanie L., 27
Neas, Barbara R., 120, 1118
Neely, Crystal J., 681
Neideen, Todd, 1051, 1331
Nelson, Maria J., 1345
Nerlich, Michael, 159
Neugebauer, Edmund, 81
Neugebauer, Edmund A. M., 433
Newgard, Craig D., 1345
Ng, Timothy W., 736
Nicholas, Jeffrey M., 330
Nicholson, Susannah E., 466
Nicoletta, Anzalone, 447
Nielsen, Vance G., 939
Nirula, Ram, 273
Nishijima, Daniel K., E101
Nishijima, Daniel Kiden, 1304
Nithyananth, Manasseh, 710
Niu, Chi-Chien, 1495
Noguchi, Thomas T., 197
Nolan, Tracy L., 1485
Norman, Michael A., 652
Norris, Patrick, 116
Norris, Patrick R., 595, 910
Norton, Patrick T., 262
Norwood, Scott H., 1019
Notrica, David M., 1019
Nydam, Trevor L., 401
Nyska, Meir, 1234

Oborocianu, Ioana, 377
Obremskey, William T., 910
Ochsner, M. Gage, 273
Ockert, Ben, 358
O'Connor, James V., 299
Offin, Michael D., 1043
Offner, Patrick, 19
Ogawa, Hiroyasu, E48
Ogilvie, Michael P., 1371
Oguz, Erbil, 717
Oh, Chang-Wug, E19
Oh, Jong-Keon, E19
Ohtake, Kazuo, 1453
Ohtonen, Pasi, 183
Oka, Hidehiro, 180
Oliver, Matthew, 141
Ooi, Kazuya, 1453
Ormsby, Christine B., 452
Osler, Turner, 1354
Osler, Turner M., 560
Osterhout, Lisa M., 1429
Ott, Mickey M., 595
Ou, Kuang-Wen, 761
Ouellet, Simon, E29
Oyetunji, Tolulope, 978
Oyetunji, Tolulope A., 130
Ozkan, Huseyin, 717

Pache, Gregor, 900
Pai, Man-Hui, 220
Palmer, Cameron S., 1532
Pan, Shin-Chen, 1002
Pan, Yong, 1519
Pandya, Samir R., 1326
Panebianco, Nova, 760
Papadopoulos, Stella, E42
Papp, Christoph, 1286
Paquet, Christian, 1229
Park, Byung-Chul, E19
Park, Chan Hum, E38
Park, John J., 808
Park, Jung Je, 442
Park, Sung-Ki, E19
Parks, Nancy A., 626
Parks, Steven N., 1038
Parvizi, Javad, E113
Pascual, Jose L., 535
Patel, Amar, 27
Patel, Nirav Y., 769
Patka, Peter, 916
Paydar, Shahram, 264, 523, 1580
Pearse, Rupert, 90
Pedersen, Tor, E56
Peiniger, Sigune, 81
Peitzman, Andrew B., 1, 278, 292, 1381
Pembaur, Karl, 1019
Peng, Monica, 415
Pepper, Marci B., 985
Pereira, Bruno M. T., 1371
Perl, Mario, 189
Perry, Jacob E., 590
Peschman, Jacob, 1331
Peterson, Carrie, 1168
Pezzei, Christoph, 852
Pfaff, Holger, 433
Phelan, Herb A., 320, 705, 1019
Pichlmaier, Leopold, 845
Pieske, Oliver, 845
Piltz, Stefan, 845
Pisarenko, Vadim, 630
Plackett, Timothy P., 408
Platz, Andreas, 1510
Plocher, Elizabeth K., 1263
Plurad, David, 111, 408, 808, 870, 1229, 1424
Podbielski, Jeanette, 1429
Pogoda, Pia, 154, 857
Pohlemann, Tim, 244
Poisner, Alan M., 1186
Polack, Edward P., 315
Polinder, Suzanne, 916
Pons-Villanueva, Juan, 1072
Potenza, Bruce, 65, 923
Potenza, Bruce M., 1241
Prantl, Lukas, 159

© 2011 Lippincott Williams & Wilkins

Prayson, Michael J., 1279
Price, Dave, 873
Prior, Kate, 554
Procter, Levi D., 590
Proctor, Kenneth G., 1371
Pronovost, Peter J., 27
Pruitt, Jeffrey H., 415
Puig-Junoy, Jaume, 744
Purtill, James J., E113
Purtuloglu, Tarik, 717
Püschel, Klaus, 154, E62
Putnam, James, 1168
Putty, Brad, 408
Putz, Cornelia, 1078
Puyana, Juan-Carlos, 782

Quenneville, Cheryl E., E13
Quintero, Jorge, 782

Raggi, Angelica, E79
Rainer, Timothy H., 1128
Ramamurthi, Ebube E. Obi and S., 519
Rameshwar, Pranela, 1043
Rangger, Christoph, 433
Rasmussen, Todd E., 1291
Rau, Cheng-Shyuan, 472
Reardon, Christine C., E42
Reddy Sravanthi, 174, 808, 1366
Redelmeier, Donald A., 732
Reidy, Rosemary, 1337
Rello, Jordi, 1145
Resch, Herbert, 1257
Restrepo, Marcos I., 1145
Reys, Luiz, 1168
Reza Abbasi, Hamid, 523
Reza Abbasy, Hamid, 264
Reznikov, Boris, E1
Rich, Katy M., 120
Rich, Norman M., 1291
Richa, Jacqueline M., 823
Richards, Justin E., 910
Richardson, Erin G., 238
Riha, Gordon M., 646
Ringburg, Akkie N., 916
Riordan, William, 116
Risucci, Donald A., 1326
Rivkind, Avraham I., 1546
Robinson, Bryce R. H., 794
Robinson, Paul, 1273
Rodrigues, Acácio Gonçalves, 498
Rodriguez, Alejandro, 1145
Roe, Janet L., 1192
Roettger, Richard, 622
Rogers, Christopher, 197
Rogers, Frederick B., 1354
Rogers Jr., Selwyn O., 130
Roise, Olav, 569
Roiter, Cecilia, 701
Roll, Christina, 159
Romand, Jacques-André, 802
Rønning, Pål A., E56
Rosa, Calvi Maria, 447
Rosenblatt, Michael S., E1
Rosengart, Matthew R., 278, 292, 1381
Rossi, Daniel C., 315
Rossi, Gianluca Del, 1282
Rosteck, Pontine, 1345
Rourke, Claire, 90
Roustan, Jean-Paul, 1219
Rowell, David, 1086
Rowell, Susan E., 273
Rozenfeld, Gal, 1234
Rozycki, Grace S., 330
Ruan, Hong-Jiang, 373
Rubenbauer, Bianka, 845
Rubio, Amandine, 377
Ruedl, Gerhard, 1017
Rueger, Johannes M., E62
Rueger, Johannes Maria, 154, 857
Rue III, Loring W., 384
Rupp, Rüdiger, 1078
Rupprecht, Martin, E62
Russell, Katie, 1366
Ryan, Mark L., 1371
Ryb, Gabriel E., 299

Saarnio, Juha, 183
Sack, Dan I., 923
Sack, Daniel I., 560
Sacra, John C., 120, 1118
Saha, Somnath, 1345
Sahni, Ritu, 1345
Sailors, R. Matthew, 672, 1153
Sakorafas, Lois, 1354
Salahi, Roohollah, 264, 523
Salim, Ali, 398, 1141, 1398
Salottolo, Kristin, 19
Saltzherr, Teun Peter, 1301
Sambasivan, Chitra, 1413
Samia, Hoda, 345
Sanddal, Nels D., 970
Sanddal, Teri L., 970
Sangosanya, Ayodele T., 38, 310
Sarani, Babak, 535
Sasaki, Hiromi, 1453
Sathyavagiswaran, Lakshmanan, 197
Sauaia, Angela, 273, 401
Sawant, Devendra A., 481
Sawyer, Mark D., 1362
Scalea, Thomas, 56
Scalea, Thomas M., 299, 547, 554, 1096, 1408
Scalea, Tom, 11
Schaefer, Eric W., 415
Schauer, Josef, 852
Schecter, William P., 340
Schemitsch, Emil H., 1248
Schiller, Henry J., 616
Schinke, Thorsten, 857
Schipilliti, Mirko, 459
Schipper, Inger B., 916
Schmidt, Terri, 1345
Schmidt, Yvette, 433
Schneider, Alexandra, 433
Schneider, Christopher, 622
Schneider, Eric B., 27, 583
Schnüriger, Beat, 141, 252, 603
Schober, Patrick, 1301
Schramm, Nicolai, 845
Schreiber, Martin A., 334, 646, 1413
Schroeppel, Thomas J., 391
Schuetz, Michael, 1086
Schuld, Christian, 1078
Schulman, Carl, 51
Schultz, Marcus J., 1389
Schuster, Kevin M., 428, 894
Schwab, C. William, 535
Schwarte, Lothar A., 1301
Schwartz, Alexandra K., 1241
Schwieger, Karsten, 358
Scott, Bradford G., 652
Sealy, Beth, 1134
Seguí-Gómez, María, 1072
Seitz, Daniel H., 189
Sellenschloh, Kai, E62
Sena, Matthew J., 1304, E101
Sensiba, Paul, 1279
Senthil, Maheswari, 489
Servadei, Franco, E79
Sewell, John, 554
Shackford, Steven R., 560
Shahan, Charles P., 285
Shalev, Arye, 1546
Sham, Mai Har, E117
Shao, Xinzhong, 203
Sharpe, Susan, 630
Shaz, Beth H., 1401
Shen, Po-Chih, 755
Shen, W. Y., 1128
Sheng, Quanfeng, 203
Sherck, John P., 1019
Sheth, Sharvil U., 489
Shieh, Shyh-Jou, 1002
Shih, Ming-Lang, 261
Shima, Katsuji, 1014
Shimizu, Katsuji, E48
Shimizu, Satoru, 180
Shipman, Jason, 324
Shroff, Manohar, 873
Shuja, Fahad, 664
Shussman, Noam, 1546
Shuway, Martha, 1337
Siegenthaler, Nils, 802, 1015
Siemens, Ron, 873
Sifri, Ziad C., 1043
Simeone, Alan, 1300
Simone, Magazzini, 906
Simpson, Pam M., 1532
Sims, Carrie, 535
Singh, Sheila, 873
Singhal, Ash, 873
Sise, C. Beth, 560, 923
Sise, Michael J., 560, 923, 996
Sjoberg, Folke, 959
Skaga, Nils O., E56
Skaga, Nils Oddvar, 569
Slade, Martin, 965
Slone, Denetta S., 19
Smith, Eric B., E113
Smoot, Dustin L., 616



© 2011 Lippincott Williams & Wilkins

Smythe, W. Roy, 481
So, F. L., 1128
Soo, Kwan Ming, 764
Sperry, Jason L., 278, 292, 1381
Spolarics, Zoltan, 489
Spoor, Vera, 832
Sridharan, Lakshmi, 1539
Srour, Marissa, 1398
Srour, Marissa K., 398, 1141
Stanley, Matthew D., 590
Stansbury, Lynn G., 547
Stanworth, Simon, 90
Stassen, Nicole A., 38, 310
Stavem, Knut, E56
Stefano, Grifoni, 906
Stein, Deborah, 554
Stein, Deborah M., 11, 299, 547, 1096
Steinvall, Ingrid, 959
Stevens, Kent A., 27, 583, 978
Stevens, Mark, 1345
Stewart, Ronald M., 466, 724, 823
Steyerberg, Ewout W., 916
Stiefel, Michael F., 535
Strating, Paul R., E67
Streib, Erik, 510
Streiff, Michael B., 27
Strohm, Peter C., 900
Stuke, Lance, 507
St-Vil, Dickens, 873
Su, Mark K., 263
Sucher, Joseph F., 672, 1153
Südkamp, Norbert P., 900
Sue, Lawrence P., 1038
Suffoletto, Brian, 782
Suiter, Debra M., 1203
Sullivan, Thomas S., 1326
Sumi, Hiroshi, E48
Sumi, Yasuhiko, E48
Sundararaj, Gabriel D., 710
Sutherland, Ann M., 1532
Sykes, Leon N., 1485
Syrjala, Hannu, 183

Tai, Yu-Tzu, E74
Taillac, Peter P., 970
Takasato, Yoshio, 764
Takeuchi, Satoru, 764, 1014, 1303
Tallon, John M., 1134
Talving, Peep, 174, 765, 808, 870, 1366, 1424
Tang, Hongtai, E55
Taourel, Patrice, 1219
Tauchmann, Björn, 189
Tecic, Tanja, 433
Teixeira, Pedro G. R., 197, 1366
Teter Jr., Harry, 1557
Thakkar, Rajan K., 527
Tharakan, Binu, 481
Thelen, Simon, 832
Thibault-Halman, Ginette, 1134
Thiele, David, 1086
Thomale, Ulrich-W., 1104
Thomas, Sauter, 766
Thompson, James D., 1294
Thompson, Kathryn M., 1362
Tian, Jian, 373
Tien, Yin-Chun, 755
Tietz, Stefanie, 159
Tillou, Areti, 1141
Tippett, Vivienne, 1086
Titus, Vijay T. K., 710
Todd, S. Rob, 672, 1153
Toms, Carla, 197
Toohey, John S., 759
Tourtier, Jean-Pierre, 1013
Townsend, Ricard N., 1038
Tran, Catherine, 1337
Trefler, Sandra, 1145
Trlica, Jan, 523
Trunkey, Donald D., 762
Tsai, Feng-Chou, 220
Tsai, Jui-Che, 228
Tsai, Pei-Shan, 1177
Tsai, Peter, 652
Tsai, Shih-Hung, E37, E99
Tsai, Yi-Hsin, 1578
Tsao, Yu-Tzu, E54
Tsatalis, James, 1279
Tsutsui, Yasuhiro, 1453
Tu, Yong-Kwang, 1578
Tu, Yue, 1480
Tuncay, I. Cengiz, E84
Turner, Krista L., 672, 1153

Uchida, Hiroyuki, 1453
Ueda, Hideo, 1453
Ueng, Steve W. N., 1503
Underwood, Samantha J., 646
Utsuki, Satoshi, 180
Utter, Garth H., 931

Vadlamudi, Sivaram, 681
Valdivia, Alicia, 672, 1153
Vallejo-Torres, Laura, 1524
van Beeck, Ed F., 916
van Dehn, Frederieke, 611
van der Poll, Tom, 1389
van Exter, Pieternel, 1301
van Ierland, Marie Catherine P., 916
van Lieshout, Esther M. M., 916
Van, Philbert Y., 646, 1413
Van Sickels, Nicholas, 507
van Zeeland, Michiel L. P., E67
Vandelli, Alberto, E79
Vandromme, Marianne J., 384
Vang, Sandy, 1263
Vargas, Paola A., 1371
Velmahos, George, 636, 1019
Velmahos, George C., 664
Venkatarayappa, Indresh, 1279
Vera, Roberto M., 527
Vettukattil, Anit S., 978
Villa, Celina, 823
Villegas, Cassandra V., 583
Vinces, Fausto, 1019
Vindigni, Vincenzo, 459
Vlaar, Alexander P., 1389
Vogel, Robert L., 1485
Voirin, David, 1032

Wachtel, Thomas L., 1564
Wade, Charles E., 71, 1429
Wade, Christine, 554
Wafaisade, Arasch, 81
Wagner, James W., 701
Wähnert, Dirk, 358
Wales, Paul W., 873
Walker, Sarah B., 560
Walkey, Allan J., E42
Wallace, James, 622
Walline, Joseph, 496
Wall Jr., Matthew J., 652
Walters, Thomas J., 1192
Wang, Chih-Hsin, 148
Wang, Fang, 1213
Wang, Haipeng, E6
Wang, Hu, E93
Wang, Ju, 816
Wang, Li, 1213
Wang, Ming-Jin, 681
Wang, Pengfei, 775
Wang, Stewart, 838
Wang, Weiwei, 71
Wang, Wu, 816
Wang, Yao-Wei W., 71
Wang, Zhong, 496
Wang, Zhongyan, 948
Ward, Jeremy L., 1471
Warden, Craig, 1345
Warner, Heather L., 1203
Watkins, Michael T., 103
Watson, Gregory A., 1381
Watters, Jennifer M., 1413
Webb, David L., 391
Webber, Jodie, 1086
Weber-Donat, Gabrielle, 1013
Wegener, Stephen T., 1557
Wei, Fu-Chan, 736
Weigelt, John A., 1051
Weinberg, Jordan A., 384
Weiner, Mark A., E73
Weiselberg, Rachel S., 263
Welsh, Francis J., 652
Wen, Chia-Cheng, E53
Wen, Shumin, 203
Weninger, Patrick, 852
West, Michael A., 1551
Whalley, Helen, E125
Whelan, James F., 829
White, Cassandra Q., 705
White, Michael T., 421
Whitney, Jolene R., 970
Wiedenhöfer, Bernd, 1078
Wigner, Nathan A., 948
Wilczewski, Patricia A., 345
Wild, Michael, 832
Williams, Kevin, E29
Williams, Regan F., 97
Williamson, Owen D., 1532
Wilson, Sean P., 829

Windhofer, Christian, 1286
Windolf, Joachim, 832
Windolf, Markus, 358
Winkler, Anne M., 1401
Wittwer, Lynn, 1345
Wolf, Paul, 1168
Wolf, Steven E., 724, 823
Wolfe, Luke G., 829
Wong, Gordon, 1128
Woo, Seung-Hoon, 442
Woodson, Jonathan, 1291
Wu, Amy, 1128
Wu, Chang-Chieh, E53, E100
Wu, Chi-Chuan, 1495
Wu, Chia-Jung, 472
Wu, Daniel, 1354
Wu, Karl, 1268
Wu, Sheng-Tang, 1577
Wu, Tiffany, 603
Wu, Xingjiang, 1464
Wyrzykowski, Amy D., 330

Xia, Zhaofan, E55
Xiao, Yan, 547
Xu, Da-Zhong, 489, 630
Xu, Guangtao, E6
Xu, Guohui, E6
Xu, Jian-Guo, E108
Xu, Jun, 496
Xu, Xiaohu, E6

Yanchar, Natalie, 873
Yang, Chao-Hua, E108
Yang, Johnson Chia-Shen, 472
Yang, Jun, 1489
Yang, Xiuchuan, 1213
Yasui, Norikiyo, 1453
Yazigi, Alexandre, 1014
Yeh, Chao-Hung, 885
Yeh, Chin-Lung, 261
Yelon, Jay A., 1326
Yen, Pai-Chun, E74
Yeun, Lawrence, 1299
Yeung, Janice, 1128
Yildiz, Cemil, 717
Yoshizawa, Naoya, 1453
You, Chao, E108
Yu, Xiaojun, E6
Yu, Xuezhong, 496
Yu, Ying, 496
Yuan, Li-Jen, 1495, 1503
Yuen, W. K., 1128
Yurttas, Yuksel, 717

Zamir, Gideon, 1546
Zarzaur, Ben L., 97, 285, 391, 1026, 1058
Zdero, Rad, 1248
Zen, Lin, 954
Zhang, Jianning, 1480
Zhang, Lian-Yang, 954
Zhang, Pei-Lei, 816
Zhang, Sai, 1480
Zhang, Xu, 203
Zhang, Yuan, 1213
Zhao, Yunzhao, 775
Zheng, Chuang-Yi, E93
Zheng, Gang, 1489
Zheng, Li Wu, E117
Zhou, Jian, 954
Zhou, Yue, 1519
Zhou, Zhendong, 1489
Zhu, Hongwei, 203
Zhu, Huadong, 496
Zhu, Shijun, 1408
Zhu, Yongkang, 775
Ziegfeld, Susan, E24
Zielinski, Martin D., 616
Ziembicki, Jenny A., 1381
Zive, Dana, 1345
Zou, Yurong, 1213
Zwingmann, Jörn, 900



© 2011 Lippincott Williams & Wilkins